

<110> Ruben et al.

<120> 94 Human Secreted Proteins

<130> PZ029P1D3

<150> 10/115,123

<151> 2002-04-04

<150> 09/461,325

<151> 1999-12-14

<150> PCT/US99/13418

<151> 1999-06-15

<150> 60/089,507

<151> 1998-06-16

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<151> 1998-06-16

<150> 60/090,112

<151> 1998-06-22

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<160> 532

<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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<212> DNA

<213> Homo sapiens

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<210> 18
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1188)
 <223> n equals a,t,g, or c

<220>
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 <222> (1202)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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<222> (1277)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1282)

<223> n equals a,t,g, or c

<400> 18

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tactagatga	atcagtagat	ttcattaaag	tatatcta	aacagataat	tatgatgtac	180
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gacagttatc	ttttgaaggt	tttgggggttc	ttatgaacct	catttttccc	aggaagtttc	300
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gagaatttgk	atttgcagag	aaagtcagaa	agtcctcgag	agtccttnta	aaaccggggc	1200
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<210> 19

<211> 1396

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (668)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (739)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (751)

<223> n equals a,t,g, or c

<400> 19

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<210> 20

<211> 1277

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1207)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1272)

<223> n equals a,t,g, or c

<400> 20

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gcagccaagt	gtcctctatg	cttaagctcg	ctctccaaaa	ctgctgcccc	cagctgtggc	180
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tcctgcargg	tcttcacctc	cacatcccaa	acattttccc	agccaaccgg	gccaacatct	420
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gttttacctc	cgtcattgtg	gcaggagtcc	tggagatgga	gcgcttacac	tacatccacc	660
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<210> 21
 <211> 1781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1494)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1496)
 <223> n equals a,t,g, or c

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caaggtgggg	cacgagcgta
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gctcatcatc	catctggcgc
gagtatgaag	aggcaatgag
gaccagaacc	gtgatgggca
aatggatggg	ggatgactcc
cctgatgggtg	acggagtgcg
cacaagtaca	tgaggagcca
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accatctgct	cccataccaa
cgctacatga	cagtgtgtgt
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ggtcaccgac	agggatcact
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gttacagcgc	ascagatcct
gtcagccagc	tggacctctt
cgtgagggtc	tggcccagac
tggctctcca	acatggacct
tggtgcgga	cagccaccat
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cagccgcggg	tcgccagtgtg
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1781

<210> 22
 <211> 1491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1425)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1426)
 <223> n equals a,t,g, or c

<400> 22
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 ccgtcttctc tttttccttt ttctttccat tggtttaagt agatcattgt gcaaacattg 240
 cgggcaaggg gagagaaggg agtgggtctca gctaggctcct caccctcagc tgctgctccc 300
 agacagaagc tgacttgagt gctggccaga gaatcaggaa ccagtcactt cccacgaaag 360
 caggacagag acaccgcctg tttcagtcct aaagagctgg ccagaacggg ggggctgtgtg 420
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 aaaagcttga tgttcttggc tccacttggg aaactgaaac cagccttctc tgtggtttac 540
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 tgcttgaacc tgggaggcag aggttgagc gagccgagac cacgnngttg cactccagcc 1440
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<210> 23
 <211> 1839
 <212> DNA
 <213> Homo sapiens

<400> 23
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<210> 24

<211> 1384

<212> DNA

<213> Homo sapiens

<400> 24

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tatcatgttt	ctttggcctc	cagtctctgg	cttttgccca	agctttatta	gagacaggtc	180
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agattatgtt	ctcttctcat	gtttggttta	tccattatcc	aaattttcca	tttctttaac	300
ctgttatccc	ttgactcttt	acagttctac	ctttttatcc	acttagtctt	ttaccctttt	360
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<210> 25
 <211> 1681
 <212> DNA
 <213> Homo sapiens

<400> 25						
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a						1681

<210> 26
 <211> 1949
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1130)
 <223> n equals a,t,g, or c
 <220>

<221> SITE
 <222> (1948)
 <223> n equals a,t,g, or c

<400> 26
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 aaaaaaaaaa aggggggggg gctagttnt 1949

<210> 27
 <211> 2286
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2262)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2264)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2272)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2278)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2279)
 <223> n equals a,t,g, or c

<400> 27

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<210> 28
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 28
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 ctgagcaggt gaatcataag gcatttatgc atatgttata tgcggactgc acccacctct 300
 cccccccagc ctttgcctct tgggttggtg tgctgctttc cccttacttt gctacatttc 360
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 taaaatttgt ttcaactcct cctgcaaata aaataaatga agtggcagat gtaaaaaaaaa 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 530

<210> 29
 <211> 1296
 <212> DNA
 <213> Homo sapiens

<400> 29
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 tacttgataa agaaaagact cgtcgcgtgt gcagctgtat tctatggttt cgyggtgcat 240
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1296

<210> 30
 <211> 1979
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE

<222> (968)

<223> n equals a,t,g, or c

<400> 30

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ctccccggccg	sccagggagc	ccagtggcga	tgagggcact	gctggcgctt	tgccttctcc	300
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gggtggacgt	gcagggcaac	taccacgagg	gcttccagtg	cccagaggac	ttcgacacgc	420
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aattttatgt	ttgatgacta	tatatthggg	catatatctt	gttggttag	aataaataaa	1920
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<210> 31

<211> 1274

<212> DNA

<213> Homo sapiens

<400> 31

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<210> 32

<211> 1531

<212> DNA

<213> Homo sapiens

<400> 32

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a			1531

<210> 33

<211> 2090

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (967)

<223> n equals a,t,g, or c

<400> 33

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gcttaccagt	ctttataaag	gaggatgaac	tgggaattttt	atttatacct	tttagcgtac	480
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attgaattag	taggtttaa	taacaacat	actgtcatag	gaaaactgga	gagcttaacc	2040
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<210> 34

<211> 1006

<212> DNA

<213> Homo sapiens

<400> 34

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cggtgggggc	ctctggctca	gatttggggc	caaggaggcc	tctgtcattt	taaagactcg	960
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<210> 35

<211> 1787

<212> DNA

<213> Homo sapiens

<400> 35

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acctcagtat	attctgcagt	acctgtttga	tacgaaaacc	ggtgagggtc	aaacattgtg	180
gtgtgtgcaa	ccgctgtata	gcaaaaattt	atcatcattg	cccatgggtg	ggtaactgtg	240
taggtgcagg	caaccataga	tattttatgg	gctacctatt	cttcttgctt	tttatgatct	300
gctggatgat	ttatggttgt	atatcttact	ggggactcca	ctgtgagacc	acttacacca	360
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tgttcctgaa	cagtgttttc	cacttcatgt	gggtggctgt	attactcatg	tgtagatgt	480
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tggatatact	tcctttttaa	ttctcagctg	caaaataatt	gtagrcaaaa	twatggcatt	1680
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<210> 36

<211> 1201

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (63)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1201)
 <223> n equals a,t,g, or c

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 ccgctatctt ttgggttcat tccaaatagt tttgtgccat tgaaaaactt gaccttcaaa 180
 aaaatttgtt tttcagaata gaacacaata ggacagtgac tgcacagttg tgaaaaagga 240
 agagaatcat taaagaaaaa gaaaaaagat ttttaagaccg ttgaaatcaa ttatcaagaa 300
 cgtcctaaaa cacctatggc tttgactttg ttattgatcc agattatttt ccttgcatg 360
 gggaaaaatat ctttcatatt tgtttgctgt aaagatgggt ttgcaagaat aagtcatgac 420
 caagacaaac tgccaataca aaagcccact gatactaatt atataatgag aaaaaaatgt 480
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 aattctatct tgtgatctag tcaagccaca gttatcaaag gctacatttt cagtgtgaaga 600
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 aacctgcccc gaaattacct tggatatcga agtttccctc tgtctcctcc tctaattaag 1080
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
 n 1201

<210> 37
 <211> 1896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (444)
 <223> n equals a,t,g, or c

<400> 37

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ccgactcctt	ccacatgctg	tcggacgtgc	tggcgctggg	ggtggcgctg	gtggccgagc	180
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tccggcgtggc	cgggctgctg	gtcaacgtgc	tggggctctg	cctcttccac	catcacagcg	420
gcttcagcca	ggactccggc	cacngccact	cgcacggggg	tcacggccac	ggccacggcc	480
tccccaaagg	gcctcgctt	aagagcacc	gccccgggag	cagcgacatc	aacgtggccc	540
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aagtacaagt	gaatggaaat	cttgctcagag	aacctgacca	tatggaactg	gaagaagata	720
gggctggaca	acttaacatg	cgtggagttt	ttctgcatgt	ccttggagat	gccttggggt	780
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ttatataaca	taatgacatt	tgatttctgg	atttttccca	tgataaaaat	taggggggata	1860
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<210> 38

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1145)

<223> n equals a,t,g, or c

<400> 38

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gcagccctgt	gtcatcagtt	gggaacagtg	ctcttttgtg	tccccacggg	ggcctcatgt	180
ttacatttgc	ttccatgacc	aaagaagatt	ctaaacttat	agctctcata	tggcccagtg	240
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aagtgggaga	tgtaaacctt	tcagaaacac	agtatatatt	tgagcccaaa	ctctgtccag	360
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tgaatgtgag	tagttctgaa	acagaggagg	acaaggaaga	agctaaacca	gatggagaaa	540
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<210> 39
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (822)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (994)
 <223> n equals a,t,g, or c

<400> 39						
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<210> 40
 <211> 1777
 <212> DNA
 <213> Homo sapiens

<400> 40						
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atcgcggtat	atagagatat	gcattttatt	ttacttgtgt	aaaaatatcg	gacgacgtgg	1740
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<210> 41
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (990)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1002)
 <223> n equals a,t,g, or c

<400> 41						
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atcacttctt	ggtaacaatg	cagacctcat	aaacctaaag	aagagaaaaga	aaagaaaact	240
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aggtataaca	cattaagaaa	aagtatatct	cattggatag	aattgaatgg	tggtcgctga	360
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ttaaagtatg	attcaggtat	tgttgatttc	tttactgtgt	aataaaaaag	ttgaaaaaaa	960
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<210> 42

<211> 1201

<212> DNA

<213> Homo sapiens

<400> 42

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gaagattggc	tatggcacct	ctgcttccctg	ctataggcct	gaggttctag	ggcttcttat	180
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c						1201

<210> 43

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 43

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cttcatgtcc	tgtggatgtt	gcttcatcca	catttataat	ttactcctgt	ctctctgcta	240
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gaggccccag	tgatattttg	actttttcaa	tgtgggtgaat	aagtgcagagt	tgtttgttga	480
gttaactgtg	atttttaaata	ttctgattgt	tgtgaggcac	ttttctaggt	gtttgatttc	540
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<210> 44
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 44						
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aaaaaaaaaa	aaaaaaaaag	ggggggccc				569

<210> 45
 <211> 986
 <212> DNA
 <213> Homo sapiens

<400> 45						
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gccctgccc	ccctctgctc	ctgcctctgc	agccccgatg	cccggccccc	gcacggctgg	300
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aaaaaaaaaa	aaaaaaaggg	ggccgc				986

<210> 46
 <211> 1540
 <212> DNA
 <213> Homo sapiens

<400> 46
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 ctctcatttt ctctctcgcc tggcttgtga agaacgtgtt tattgctgtt atcattgaaa 180
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 caacagccac caccagatg tttcatgaag atgctgctgg aggttggcag ctggtagctg 300
 tgggatgtca acaagcccca gggacgcgcc ccagcctgcc tccaggtgca gtacaatgac 360
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 ctctttaagc tctagatttg tccaaattta aaatcctgaa gttagagatg gtatttctact 480
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 atacttaagg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1540

<210> 47
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (759)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (760)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (774)
 <223> n equals a,t,g, or c

<220>

<221> SITE

<222> (779)

<223> n equals a,t,g, or c

<400> 47

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cccacaaaac	aaaatcacat	tctcactatg	ccctgttcat	tcttcaggac	tatcttctgg	240
gaaactttta	ctacataccc	ctctccccct	aatctgagtg	tctgctttgc	tcaggtagca	300
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<210> 48

<211> 1497

<212> DNA

<213> Homo sapiens

<400> 48

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cgtctgacgt	tttttccttt	cggttacatg	tccgtatctc	ctctttcccc	tttttccccct	240
ttgtcttcat	ttgggtcccc	tccctatagg	gagtttagga	caagaagagg	ctaaagtttc	300
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<210> 49

<211> 1340

<212> DNA

<213> Homo sapiens

<400> 49

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<210> 50

<211> 1539

<212> DNA

<213> Homo sapiens

<400> 50

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 <212> DNA
 <213> Homo sapiens

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 <211> 1364
 <212> DNA
 <213> Homo sapiens

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<210> 53

<211> 2288

<212> DNA

<213> Homo sapiens

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<222> (1798)

<223> n equals a,t,g, or c

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<400> 53

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<211> 1512

<212> DNA

<213> Homo sapiens

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<210> 55
 <211> 1357

<212> DNA

<213> Homo sapiens

<400> 55

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<211> 1989

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<213> Homo sapiens

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<220>

<221> SITE

<222> (161)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1702)

<223> n equals a,t,g, or c

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<222> (1943)

<223> n equals a,t,g, or c

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<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (2538)

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ttacatgttg	tggatgcctt	gtaaacattt	tcctgtatgt	ttaaattgtg	tttcagcagg	2520
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<210> 58

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (766)

<223> n equals a,t,g, or c

<400> 58

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cccactcccc	ksggatctat	cttgggatcc	catggctttc	tttactgggc	tctggggccc	120

cttcacctgt	gtaagcagag	tgctgagcca	tcactgtttc	agcaccactg	ggagtctgag	180
tgcgattcag	aagatgacgc	gggtacgagt	ggtggacaac	agtgccctgg	ggaacagccc	240
ataccatcgg	gctcctcgct	gcattccatgt	ctataagaag	aatggagtgg	gcaagggtggg	300
cgaccagata	ctactggcca	tcaagggaca	gaagaaaaag	gcgctcattg	tggggcactg	360
catgcctggc	ccccgaatga	ccccagatt	ygactccaac	aacgtggtcc	tcattgagga	420
caacgggaac	cctgtgggga	cacgaattaa	gacacccatc	cccaccagcc	tgcgcaagcg	480
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gcctctgggt	gcaggactcg	tgaatggagc	agttctgaga	accacccttt	tgctaagggga	600
gcttgggagc	cacatggctg	ctcccttcac	actgggtaac	agtgtagtat	cctgtgagag	660
aataaatgta	ttcatttatg	tgttttttcca	gagctttctg	ggatgtggga	aaataaatta	720
cactgaagca	gttgaaaggt	gaaaaaaaaa	aaaaaaaaaa	aaaaanaaaa	actcgag	777

<210> 59
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 59						
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gtggtctgtc	tggagaatgc	cggagatgtg	aaatatgtaa	tcttgagtgt	ggcttctaga	780
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<210> 60
 <211> 1161
 <212> DNA
 <213> Homo sapiens

<400> 60						
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tcaggctgaa	gtcctgagag	cgacgcgcgg	cggggcggcg	agaggaaacg	cggcgccggg	120
ccgggccctg	gagatggtcc	ccggcgccgc	gggtggtgt	tgtctcgtgc	tctggctccc	180
cgcgtgcgtc	gcggcccacg	gcttcctgat	ccatgattat	ttgtactttc	aagtgtctgag	240
tcttggggac	attcgataca	tcttcacagc	cacacctgcc	aaggactttg	gtggtatctt	300
tcacacaagg	tatgagcaga	ttcaccttgt	ccccgctgaa	cctccagagg	cctgcgggga	360
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caacgcattg	acaatgacag	cttctacgtg	gagatgatcc	aggacagtac	ccagcgcaca	540
gctgacatcc	ccgccctctt	cctgctcggc	cgagacggct	acatgatccg	ccgctctctg	600
gaacagcatg	ggctgccatg	ggccatcatt	tccatcccag	tcaatgtcac	cagcatcccc	660
acctttgagc	tgctgcaacc	gccttggaac	ttctggtaga	agagtgtgtc	ccacattcca	720
gccataagtg	actctgagct	gggaagggga	aaccaggaa	ttttgctact	tggaaatttgg	780

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tacaagaaga	ggcaagagac	aggccccagg	gcttctggct	agaacccgaa	acaaaaggag	960
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gttaaaaaaaa	aaaaaaaaaaa	a				1161

<210> 61
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 61						
ccgggtcgac	ccacgcgtcc	gactagttct	agatcgcgac	ggccgccttt	tttttttttt	60
tttactgcc	ggtagcaggc	tttattggga	agggacaaaag	cctcaggagc	tgggtgcccc	120
agaagctgct	gggtcttgag	ccacagctgc	agccaatgca	gcagtcgcgc	ctccttcttc	180
cgtttctgtt	tttctctctt	gagggttgcg	ctccttcttc	tctaggtcct	ggagcagctc	240
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cagtcggggc	ctcctctcct	tgtcagcctg	ggccttctcc	cagttctccc	gctgctgctg	360
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cccgggtgcg	cgcgggggcg	gccgctc				687

<210> 62
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 62						
acgcgtccga	gatacattcc	atgaatacct	agttttattga	gagtttttag	catgaaggac	60
tgtcgaattt	tgtcaaaggc	tttttctgca	tctattgaga	taatcatgtg	gtttttgtct	120
ttggttctgt	ttatgtgatg	gactatgttt	attgatttgc	atatgttgaa	ccagccttgc	180
atctcaggga	tgaagccaac	tcgatcggtg	tggataagct	ttttgatgtg	ctgctggatt	240
tggtttgcca	atattttatt	gaggattttt	gcatcagtg	tcttcaggga	tattgggtcta	300
aaattctctt	ttttttgttg	tgtctctgcc	aggctttggg	atcaggatga	tgctggcctc	360
ataaatgagt	tagggaggat	tccctctttc	tattgatcag	aatagtttca	gaaggaatgg	420
taccagctct	tctttgtacc	tctggtagaa	tttgggtgtg	aatctatctt	gtcctggaat	480
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<210> 63
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (911)
 <223> n equals a,t,g, or c

<400> 63

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ccctggcgat	gtgctccagc	ccaagcagcc	tccgtaggct	ttagatcctg	tggttgccag	120
atccagtcct	ttctaatacc	ctgagtc AAC	acattactcc	tgcaggctct	aggctacaat	180
gcagggtccct	tgagggccac	caacatggag	gtaggcagtt	tctaggactg	tccccagtac	240
atctcaccac	ccacagccct	ttttttgcct	tgattcgagc	ctcaccctgg	ccttttggct	300
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tccatcaggt	acagcttgca	tttcaggatg	tgtggaaagc	tcgggtgagg	gctgccttgg	600
ttcatcatag	ctccaccttc	ctcggaagga	gtgggctggt	ggagaccccc	catccatggc	660
acactagctc	agcactgcat	ttcccagat	gattcccaag	acagctgggt	cctcctggct	720
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gaaggatctc	tatgtatgtg	tgtatataaa	tatagttttt	tatctatata	tataaaaaaa	840
aaaaaaaaaa	aaaaaaaaact	cgaggggggg	cccgggtaccc	aattcgccat	atgggtgatgg	900
caaatgggaa	n					911

<210> 64

<211> 963

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<400> 64

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acgggtgtaa	gcggccaggc	tccgtggrag	ccagggccca	magcccttgg	ccagktkggtg	300
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gtcgcctcct	gatccagccg	gggcccagat	tccactgagg	ttagagtcca	tttacaagc	900
tgccaggaaa	ccggccactt	ctagtaaacc	acgtcgtgcc	tcactgaaaa	aaaaaaaaaa	960
agg						963

<210> 65

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 65

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aattttctaa	ttgagaatgt	tggcgctgtc	cgaacctgga	gacagagtat	cagcgccttt	180
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aaacacagga	agctttccgg	aaaacaaaaa	gtcctttctc	ctgattcacc	aaaaataaaa	300
atactgacta	ccatcactgt	gatgagattc	ctatagtctc	aggractgaa	gtcttttaaac	360
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tcacccaggt	cccccaggtc	ctcaacacca	ctgagaggct	cctgctgagc	ttcaactata	600
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gtagccttta	ccttcacctt	tcatttgagg	agttgaattc	cttaaagtcc	atagattttt	960
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<210> 66

<211> 1558

<212> DNA

<213> Homo sapiens

<400> 66

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tgcggccttg	cagctctcct	taccacatg	cggccttgca	gctctcctta	cccacatgcg	180
ggccttgccg	ctctccttac	ccacatgggg	ccttgccgct	ctccttaccc	acatgggggt	240
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gcagctctcc	ttaccacat	gcggccttgc	agctctcctt	accacatgc	gggccttgca	360
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<210> 67

<211> 1322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (690)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (719)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (720)
 <223> n equals a,t,g, or c

<400> 67
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 tatgccaaca tttaaaaagg ccaaaaccag aggcctagaa aatgtatctg gaagttgcag 180
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 ag 1322

<210> 68
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (445)
 <223> n equals a,t,g, or c

<400> 68
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 gaagaagggg cggggtatgg gagaagcctc cccacctgcc cccgcaaggc ggcattctgt 180
 ggtcctgctg ctgctcctct ctaccctggt gatccccctc gctgcagctc ctatccatga 240
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 ccccgaaaag acccacttac tgtacatcct caggccctct cggcagctgt aggggtgggg 780
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 aagttctttc ttacatctaa aaaaa 865

<210> 69
 <211> 1150
 <212> DNA
 <213> Homo sapiens

<400> 69
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 ctgagctggt ttaacaatgg gatccacaat tatcaacaag gggaagaaga catagacaaa 240
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 aaaaaaaaaa 1150

<210> 70
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<400> 70

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tgagcctgac	tccccaaccc	ccacaaccct	tttatatata	tatggcatat	tacagtgaga	180
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tgtcataagt	taatcaatcg	tatgttttaa	gtgcccttag	tgcaaaattt	gatgccctg	300
gatactgttg	atttattaat	atgaaatata	cctttgttaa	tttttaattt	tatggatagg	360
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<210> 71

<211> 1557

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1541)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1549)

<223> n equals a,t,g, or c

<400> 71

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tggccggggct	gaaagtctac	aatgtagatg	gccccagtaa	caatgccact	ggccagtccc	360
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aagaggcctt	catccacatt	cagcgtctcc	aggctgagga	gcagcagaaa	gccccagggg	540
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agaagtacct	gcgcatacacc	cggcagcaga	actaccacag	catggagagc	atcctgcagc	660

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<210> 72

<211> 1163

<212> DNA

<213> Homo sapiens

<400> 72

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<210> 73

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 73

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gagtccaatg	cccgcgtttt	accttattca	ataagaaggg	cttcatttat	ggcaagacag	180
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<210> 74

<211> 1553

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 75
 <211> 1650
 <212> DNA
 <213> Homo sapiens

<400> 75
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<210> 76
 <211> 2150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (874)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1198)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1201)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1266)
 <223> n equals a,t,g, or c

<400> 76

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<210> 77
 <211> 1592
 <212> DNA
 <213> Homo sapiens

<400> 77

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<210> 78
<211> 1579
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1529)
<223> n equals a,t,g, or c

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<220>
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<222> (1556)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1569)
<223> n equals a,t,g, or c

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cctctcagtc	accgtcttca	gcttccagac	caagtctgac	ttcacctcct	gccagggcgt	780
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<210> 79

<211> 1396

<212> DNA

<213> Homo sapiens

<400> 79

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<210> 80

<211> 1230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1223)
 <223> n equals a,t,g, or c

<400> 80
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<210> 81
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 81
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<210> 82

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (714)

<223> n equals a,t,g, or c

<400> 83

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<210> 84

<211> 1097

<212> DNA

<213> Homo sapiens

<400> 84

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<210> 85

<211> 1931

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1904)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1914)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<400> 85

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caacgtcccc	gagagtcctc	gaatccccgc	tcccaggcta	cctaagagga	tgagcgggtg	180
tccgacggcc	ggggcagccc	tgatgctctg	cgccgccacc	gccgtgctac	tgagcgtca	240
gggcgagccc	gtgcagtcca	agtcgcgcgc	ctttgcgtcc	tgggacgaga	tgaatgtcct	300
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ccagcagcag	cggcacctgg	agaagcagca	cctgcgaatt	cagcatctgc	aaagccagtt	600
tggcctcctg	gaccacaagc	acctagacca	tgaggtggcc	aagcctgccc	gaagaaagag	660
gctgccccag	atggcccagc	cagttgacct	ggctcacaat	gtcagccgcc	tgacccggct	720
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nttacgttac	g					1931

<210> 86
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<400> 86

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ccactacctg	cccgcactca	ccttccaaat	ccttctgctc	cctgtgggtc	tgacgacat	180
cagcgaccac	ctgtgcaggt	cccagctcca	gaggagcatc	ttcagcgccc	tggtggtggc	240

ctggtactcc	tccgcgtgcc	acgtgtccaa	cacgctgcgc	ccactcacct	acggggacaa	300
gtcactctcg	ccacatgaac	tcaaggccct	tcgctggaaa	gacagctggg	acatcttgat	360
ccgaaaacac	tagaacaaga	gtgtggcaaa	gaacaccctg	gctggggctg	ggacgaggtt	420
gaagggctct	ggtcaatgta	cgtaatgagc	aggggtgggc	ccacgctggg	aggacacggg	480
ctgggctgag	cagggcctct	agtggaacac	atgggggtct	cattgaaaag	ctctctgatg	540
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ccccctgaact	aagacacagg	gagtatttca	gaaggccaag	cgtaggagtc	atcgacaacg	660
aaaaagccga	gaacccaggg	ccagcagttg	gagccttcag	cagaaccagg	gcctggctct	720
tgctaattgc	tgcaggggtg	agtttgatct	ggcagaccgc	atcctccttc	atgaacaccc	780
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tcagtgttg	agggccacct	gaaccacgag	ccagggctgg	ggcttgcatg	tcattgtcta	900
tgacagcgtc	aagactggcc	cttggcaccg	tgctgtgtgg	aaaccctccc	ctctgagact	960
ccactgagac	gtggctgagt	gaaatcttcc	tcgtcagtgg	tcaagggtgtg	tcattccatac	1020
agctccatgc	ctttgtcttt	tttaaatgta	attaaaaaag	gaaccaactg	gaaaaaaaaa	1080
aaaaaaaaaa	aa					1092

<210> 87

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (576)

<223> n equals a,t,g, or c

<400> 87

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cccttacctg	gaggcaggca	agggcacagg	ctggagccat	gctgctcttc	gggctgtgct	120
ggggggcccta	cgtggccaca	ctgctcctct	cagtccctggc	ctatgacag	cgcccgccac	180
tgsggccttg	gacactgttg	tccctcctct	ccctaggaag	tgccagtgc	gcggcagtc	240
ccgtagccat	ggggctgggc	gatcagcgct	acacagcccc	ctggagggca	gccgcccaca	300
ggtgcctgca	ggggctgtgg	ggaagagcct	cccgggacag	tcccggcccc	agcattgcct	360
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gactcctacc	agagcatccg	tccagctcag	ccatccagcc	tgtctctact	gggccccact	480
tctctggatc	agagaccctg	cctctgtttg	accccgcact	gactgaataa	agctcctctg	540
gccgttttaa	aaaaaaaaaa	aaaaaaaaaa	gggggncc			578

<210> 88

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (661)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (694)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (696)
 <223> n equals a,t,g, or c

<400> 88
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 ccacagacat gagtgcaggt aagtggctcc tgctgggtgat cttcagggat ttgggatgcg 120
 gagtttccag gacgtctccg cacttgagga gtggagagga gggaaggatc tggagcctac 180
 tcacagcctg ctctgtctgt tgctctctcg tgatcttcta gtggttcttg gcgaaatcag 240
 gaaaaggcag atggagggtt gtgtatggaa aggggtggga tggaatccgg agaaatgggt 300
 tgcggtcttg gctctgcctg taacaacccg agtgaccttg ggcaagtccc tgtccctctc 360
 tgggsctcag tttctccacc tgtatttgga ragggttggga atgggcaactg aagtcctgtc 420
 cagctctgac cttctgtgaa gtgcactgtt gagcagctct ggaagcttct gttccagcca 480
 tagccacaca gaggagcagc aggcaggcat caggcccaaa ctgctgctct ctgatgggct 540
 tggaccccat gaaagtgggg cctgctggat gcatttcctg ggattctgtg gaagctgac 600
 aggttgctgg ggcaagtggg ggcaggatag aagtgaaggg ctgtgggatg gagaacctca 660
 naagactcca tctgggggtcc gggaaaggac agananggt 699

<210> 89
 <211> 1126
 <212> DNA
 <213> Homo sapiens

<400> 89
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 agtgggggca gattctgctg ctggggaagg aacacaggagc ctgggttcaca gyttagtgat 180
 ggagatatga cctcagccct aagggggggt gctgatgacc aaggacagca cccactgttg 240
 aagatgcttc ttcacctgtt ggctttctct tctgcagcaa caggtcacct tcaagccagt 300
 gtcctgaccc agtgccttaa ggttttgggt aaattagccg aaaacacttc ctgtgatttc 360
 ttgcccaggt tccagtgtgt gttccaagtg ctgccaaagt gcctcagccc agagacaccc 420
 ctgcctagcg tgctgctggc tgttgagctc ctctccctgc tggcggacca cgaccagctg 480
 gcacctcagc tctgttccca ctcagaaggc tgctcctgc tgctgctgta catgtacatc 540
 acatcacggc ctgacagagt ggccttggag acacaatggc tccagctgga acaagagggtg 600
 gtgtggctcc tggctaagct tgggtgtgaa gagccccctg cccccagtca ctggctccaa 660
 ctgccagtgt aatgtggagg tggtcagagc gctcacgggt atgttgacac gacagtggct 720
 gacagtgcgg agggcagggg gacccccaa gaccgaccag cagaggcgga cagtgcgctg 780
 tctgcgggac acggtgctgc tgctgcacgg cctatcgagc aaggacaagc tcttcattgat 840
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 ggaaaccgat gtggaagacc ccgaggtgga gtgtggctga ggccctgagt gtccagccac 1020
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 aggaactgcc cagagaactg gaaaaaaaaa aaaaaaaaaa ctcgag 1126

<210> 90
 <211> 1037
 <212> DNA
 <213> Homo sapiens

<400> 90
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atctcccggc	ctcgggtcct	tgcttggccc	agcatgagag	gtgcttcata	ggaacggagg	180
gaggacatgt	ygggacagct	cgatgctcgg	cctgctgctg	ctctgcaccc	ccagggcctg	240
gctcaccctc	tctggacctg	tctgcttcca	aggaagggga	ccctctgagg	tcccacagag	300
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tggaaccgaga	gatgagcagg	agcgtggacg	tgaccaacac	camcttcctg	ctcatggccg	420
cctccatcta	tctccacgac	cagaaccggg	atgccgccct	gcgtgcgctg	caccaggggg	480
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ctctgttccc	aagggcagag	cagaaagcgg	ctttgtctct	gctcggtttc	tgtgtcccca	780
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ggtgcccccc	tccaccctag	gatgtgactc	cgggccatgt	ccagggcact	ggtcacagaa	960
agtgtgtcag	ttcttccccg	tgagctgtcc	ctgcagtgcc	tgccctccac	tgtgagttgc	1020
aagctggggca	tttcatg					1037

<210> 91

<211> 1316

<212> DNA

<213> Homo sapiens

<400> 91

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ccgccgccgc	ctcccaatgg	cgaggctgcg	ggattgcctg	ccccgcctga	tgctcacgct	120
ccggtccctg	ctcttctggg	ccctgggtcta	ctgctactgc	gggctctgcg	cctccatcca	180
cctgctcaaa	cttttgtgga	gcctcggcaa	ggggccggcg	cagaccttcc	ggcggcccg	240
ccgggagcac	cctcccgcg	gcctgagcga	cccctccttg	ggcaccact	gctacgtgcg	300
gatcaaggat	tcagggttaa	gatttcaacta	tggtgctgct	ggagaaagag	gcaaaccact	360
tatgctgctg	cttcatggat	ttccagaatt	ctgggtattct	tggcgttacc	aactgagaga	420
atttaaaagt	gaatatcgag	ttgtagcact	ggatttgaga	ggttatggag	aaacagatgc	480
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ttggctaatt	gccatctgtt	atcctgaaat	ggtgatgaag	cttattgtta	ttaacttccc	660
tcattccaaat	gtatttacag	aatataattt	acgacaccct	gctcagctgt	tgaaatccag	720
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atctctaaat	aattttttaa	aattgttcat	caacttcttt	atgttttatt	agaaaaaac	1260
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<210> 92

<211> 1021

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (971)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1004)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1008)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1010)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1018)
 <223> n equals a,t,g, or c

<400> 92
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 ttgtgacttt ttagatgaaa tattagagct accccaccca gccacagata gcaactgtaac 180
 acttttcttaa tagagtatag gttcaaatta taaagtccac acaactggcta aaaagttcaa 240
 gttcagagtt tcaatcaatt ttcattgtaa ggatgaaact gagttttact caacttgtgt 300
 ctttttaaga gaatgggcca cctcccacac atcctttctc ttggactttt ttttaacactt 360
 ctaatgttct gtatcacgaa atcagatggc caaaacaaaa tctacagggtg ctttaaaaaa 420
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 tttgcagtaa attttaaata tgagtcacgg aaatattaag ataatagcat gtgtgggcaa 720
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 cttattaaat atttcaaatt gtttcttcat gtgaaaactg tcttattaat tgtaaaaagg 960
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 t 1021

<210> 93
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (314)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (356)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (590)
 <223> n equals a,t,g, or c

<400> 93

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tttaaaatta	catatgtagc	tcacactata	aaacacagat	tagaaatatt	gtatagcact	180
gacctagaaa	cctccattta	ggtaaaacat	cttaaccctt	ttggaagcaa	aatatgttaa	240
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ctctctttat	tttctacatc	tactctctga	agagggcaat	aaataaggaa	atgtcccaaa	900
gagggacaaa	ttaagtccca	aaataacaca	aaattgggca	aatcccagtc	atgaagaaag	960
aacagagggt	cttaaattgg	gacacacaga	ggcaggtctg	caggtctagg	aatctctgaa	1020
catatgtgca	aaattctggg	tatgtgtgca	tatgtttatat	aacaaagcga	aggggtccata	1080
tagctttcat	cgcattttcaa	aggggtctagc	actgaaataa	ggactactgc	tatgtgactt	1140
aaaaaatgaa	actcaggctg	ggcgcagtg	tcacgcctgt	aatcccagca	ctttggggagg	1200
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<210> 94
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (916)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (958)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (971)
 <223> n equals a,t,g, or c

<400> 94
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 cccatctact tggttgtccc cagaatgggt tggcttggga gaacttgcct tgctcactcc 120
 catttagact ttattagtgg agccctcctc ttgacttttg cctatttcct tgtctttcag 180
 gtgtgccctg tgattaataa atggctctac aacctggacc agcatgtggt taaagagttg 240
 attagtaagt gctggagggt ggaagggaca ggaacactcc agaagaaagc tcagaaccct 300
 ccctcaccct ttgtatttca tttcccttta cctcactctg gcacttctcc tagaccaaaa 360
 atctctttcc tgctgaagta gaatgggtcc taataataac aaccttaata ataaactcag 420
 ctgacattaa ctgagggagc ccagtgtgcc aacatgaagc actgtgcctg cactagcaat 480
 tgaacgtgca ccttttagcta aggacgtgct ggtttcaatt ctattcttgc tcccaagcct 540
 acagcagctg agatatgaat ggaaacttct ccaggggaga aaatctgccc aattctgcct 600
 ttgtcctccc ctaaatttgt atgagttaaa tgatgggcag aaaattgggtc tgttttcagc 660
 ccagacaaac actgcctcct ttcagtagtc gctacctcaa gcatccaaag ttttcataatc 720
 tgccagaact caaagcaaaa aatgcaagat tgaatctcag cagctcaggc cccagcagg 780
 acttcaaaact tccaccacca aaaaaaaaaa aaaaaaaaaa gctgaattga aaggtatatg 840
 ccttcattca ctgaatattc actcgtcctg ccaagtgccg gatgccarag tttctaaaat 900
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 ttcccttggg nccgtccgtt tttaacaacc 990

<210> 95
 <211> 1710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1702)
 <223> n equals a,t,g, or c

<220>
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 <222> (1704)
 <223> n equals a,t,g, or c

<220>
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 <222> (1709)
 <223> n equals a,t,g, or c

<220>
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 <222> (1710)
 <223> n equals a,t,g, or c

<400> 95
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ccacactaag	aagggggaga	tgataaaata	acattaaagg	aagaatggcc	tccagcctgc	420
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gtaaatatcc	ttgctatttc	aggatggcgg	ctggcctgct	cagtaacata	catgttccaa	1620
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<210> 96
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 96						
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taactccatc	taccagtgcc	ctgagcacag	tcaactgaca	actctgggcg	tggatgggaa	180
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agatgggtac	aatgggagct	gagttgttgg	agggagaagc	tggagacttc	cagctccagc	720
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g						781

<210> 97
 <211> 1113
 <212> DNA

<213> Homo sapiens

<400> 97

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atctccatct	atacacaata	cagcttttta	aatgcagcgg	actttcaa	atttgcattt	360
ctacattata	cgttttgttt	caacttacgc	atttattgtt	ttctttcctt	tttcttcttc	420
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<210> 98

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 98

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ccggcccccgc	ctctgagggt	cgcgtccccc	cacagcccgc	aggccccgga	ccccggcttc	180
caggagcgct	tcttccagca	gcgtctggac	cacttcaact	tcgagcgctt	cggcaacaag	240
acettcccy	agcgcttcct	ggtgtcggac	aggttctggg	tccggggcga	ggggcccac	300
ttcttctaca	ctgggaacga	gggcgacgtg	tggtgcttcg	ccaacaactc	gggcttcgtc	360
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aagtcgctgc	cggttcggtgc	gcagtcacg	cagcgcgggc	acacggagct	gctgacgggt	480
gagcaggccc	tgcccgactt	cgcagagctg	ctccgcgcgc	tacgacgcga	cctcggggcc	540
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<210> 99

<211> 2087

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> n equals a,t,g, or c

<400> 99

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ccttcctgca	ggccccatca	gacactgacc	actactttct	gcgctatgct	gtgctgccgc	420
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tatgtcactg	tgtagtggat	ggagtttact	gtttgtggaa	taaaaacggc	tgtttccgtg	2040
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<210> 100

<211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (663)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (702)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (705)
 <223> n equals a,t,g, or c

<400> 100
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<210> 101
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<400> 101
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 gcctgggtat cagcagcaga agctgcagaa cagcggatat tggatgaacag cagatgttgc 240
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aaaaaawaaa	aaagggcggc	cgc				1223

<210> 102
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (607)
 <223> n equals a,t,g, or c

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tgcttgagcc	catgagtttg	aggttacagt	gggtataaat	tacaccactg	cactccagtc	960
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<210> 103
 <211> 1986
 <212> DNA
 <213> Homo sapiens

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agacctacat	tcctcattgt	ttcatgtttg	acctttaagg	tgaaaaaaga	aatgggcaa	780
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actcttaaat	ctataatatt	cgatatattc	tacaactgc	tttattgtag	aagccatatt	1860
tatgttttatt	ttataatgtt	ttctagtgtc	aaactgtact	gtggagaaaa	gaaatgttag	1920
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aaaaaa						1986

<210> 104

<211> 1321

<212> DNA

<213> Homo sapiens

<400> 104

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acctgactgc	tcagtatgta	aattttttact	atgcctaagg	ttgaccacct	tttaatatgt	180
ttaggagcca	tttgtatttc	cttttgtttc	ccatattgtt	ttgttcctat	ccatttttct	240
actatatcgt	tgatatgttg	tttatttgtt	agggatatga	accctttgac	agtaatgagt	300
tgcaaatatt	ttctttccaa	tttgtcatct	gtccttttgc	tatgatggct	ttgtcatgag	360
tttttaaaaa	tttttatgta	gtctgaatta	ccagtttttt	tagtggtttc	tggattttga	420
gtcataatta	gaatgtattt	ctcaatccag	agcaatagag	taattcacct	aaattctaca	480
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tttcctgacg	agtttgagag	gctacattga	tcttatctta	gaatccgtca	tatgtattta	660
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aaagattcat	aagacaagag	ggagagaccc	ttaaataagt	actaaaactg	taaaatcaat	1260
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a						1321

<210> 105
 <211> 944
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (889)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (896)
 <223> n equals a,t,g, or c

<400> 105
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 aagacagatt ttagtataat actcctaaaa ctacactgtc tttttttttt ttctgtcata 120
 agtgtgcatt gtgctcagtc atttatttca gtgacccaaa cagagcccag tccagctgtt 180
 tgtattttcc ctgcagtggg aagtggacta gggccatgtg actaagaaag ccagcctggg 240
 ggctgtcttt tcacctacag atgttttaat gtgcttaaca ttatccaata ctagcaaccg 300
 agatagtcta aataccacag caggatctga ttagcttttt cagatcactg cctttatttg 360
 ctgtttgcaa aaaagcttaa tccagtgtga gagatcaggc ttcctgtctga gccctggggt 420
 agtttctctc attctttgtg ttcacagtgg caggcgtag tgagcagatt cctcctctc 480
 ctaaattaaa gctgtaaagt agtaactgtg gtagcaaggg ataaagagaa ggaagaaaac 540
 ccaaggga aaagaagact gtctattcat accaagtagt ttccttgata tacacaaaag 600
 aaagagtttc taatatgaat tcataaatac tgacctcagt gtctcttcta ctcagtgcac 660
 agctattaag ttttattagg tttcagttgt aactactttg tgtggatata tgttacgttt 720
 ttcataattta tcctactcaa tcaatctcag tttaccaga agaattacat ttattagcca 780
 taacagtggc ccttctctta ttcttttcag ggctgatatc ttttttattc atgagatttc 840
 aaaaagaact atcaccacca ctaacaaaaa aaaaaaaaaa aaaaaaagna cggccnctct 900
 agaggatccc tcgaggggcc caagcttacg cgtgcatggg acgt 944

<210> 106
 <211> 1172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (904)
 <223> n equals a,t,g, or c

<400> 106
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 cctgggaaga tggccggccc gtggaccttc acccttctct gtggtttgct ggcagccacc 120
 ttgatccaag ccacctcag tcccactgca gttctcatcc tcggccaaa agtcatcaaa 180
 gaaaagctga cacaggagct gaaggaccac aacgccacca gcatcctgca gcagctgccg 240
 ctgctcagtg ccatgcggga aaagccagcc ggagcatccc tgtgctgggc agcctgggtga 300
 acaccgtcct gaagcacrtc atctggctga aggtcatcac agytaacatc ctccagctgc 360
 aggtgaagcc ctcggccaat gamcaggagc tgctagtcaa gatccccctg gacatgggtg 420
 ctggattcaa cacgccctg gtcaagacca tcgtggagtt ccacatgacg actgaggccc 480

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`aagccaccat cgcgatggac accagtgcaa gtggcccccac cgccttggtc ctcagtgact      540
gtgccaccag ccatggggagc ctgcgcatcc aactgctgca taagctctcc ttcctggtga      600
acgccttagc taagcaggtc atgaacctcc tagtgccatc catgccaagg tggcccaact      660
gatcgtgctg gaagtgtttc cctccagtga agccctccgc cctttgttca ccctgggcat      720
cgaagccagc tcggaagctc agttttacac caaagggtgac caacttatac tcaacttgaa      780
taacatcagc tctgatcggg tccagctgat gaactctggg attggctggt tccaacctga      840
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caanttaaga ctgggggtccc agtgtcattg gtgaaggcct tgggattcga ggcagctgag      960
tcctcactga ccaaggatgc ccttgtgctt actccagcct ccttgtggaa acccasctct    1020
cctgtctccc agtgaagact tggatggcag ccatcaggga argctgggtc ccagctggga    1080
rtatgggtgt gagctctata gaccatccct ctctgcaatc aataaacact tgctgtgaa    1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa                                1172

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<210> 107
<211> 427
<212> DNA
<213> Homo sapiens

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<400> 107
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ggggctggct gcaactgccc aaggactttg ggaacatcaa caattgccgg atggacctct    120
acttcttcct gctgggtggc attcaggccg tcacggctct cctatttgtc tggatcgctg    180
gacgctatga gagggcgtcc cagggcccag cctcccacag ccgtttcagc agggacaggg    240
gctgaacagg ccctattcca gcccccttgc ttactcttac cggacagacg gcagcagtcc    300
cagctctggt ttccttctcg gtttattctg ttagaatgaa atgggtccca taaataaggg    360
gcatgagccc ttcctcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa    420
aaaaaaa                                427

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<210> 108
<211> 1708
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (85)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (254)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (256)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (423)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (424)
 <223> n equals a,t,g, or c

<400> 108
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 gctgggtcca ggccacccta ctggcccgag gcctctgtag ggcttgggga ggcacctgcg 180
 gggccgccct cacaggaacc tccatctctc aggtccctcg ccggctccct cggggcctcc 240
 actgcagcgc actnncata gctctgaaca gtccctgggtt cccagcccac cggaaccccg 300
 gcagaggccc accaaggctc tgggtgccctt tgaggacctg tttgggcagg cgcctgggtg 360
 ggaacgggac aaggcgagct tcctgcagac ggtgcagaaa tttgcggasa cagcgtgcgt 420
 aannggggcc acattgactt catctacctg gccctgcgca agatgcggga gtatggtgtc 480
 gagcgggacc tggctgtgta caaccagctg ctcaacatct tccccaagga ggtcttccgg 540
 cctcgcaaca tcatccagcg catcttcgtc cactaccctc ggcagcagga gtgtgggatt 600
 gctgtccttg agcagatgga gaaccacggt gtgatgcccc acaaggagac ggagtccctg 660
 ctgattcaga tctttggacg caaaagctac cccatgctca agttggtgcy cctgaagctg 720
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 aaaaaaaaaa aaaaaaaagg gcggccgc 1708

<210> 109
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (78)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<400> 109
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gcatcagcga	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcacccgg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggcccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctg	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcctc	atgaagccca	tcaacaagtg	cattgggagg	aacatgacct	540
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tcctgctgtg	gccgaccgcg	ctgcgacgct	gatgagacct	gcacgcantg	gctcacagca	960
gcacgatttg	tgacagcccg	aggcggagaa	caccgaacac	ccagtgaagg	tgaggggatc	1020
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acaccagaca	cagaagggtg	cgctgtgatc	ccacttctat	gaaatgtcca	ggacagacca	1200
atccacagaa	tcagggagag	gattcgtggg	tgccgggact	ggggaggggg	acctgggggt	1260
gactaggtga	cataatgggg	acagggctgc	cttctgggtg	atgagaatgt	tctggaatca	1320
gatgggatgg	ctgcacggcg	tgggtgaagg	actgaacgcc	acctcactgt	aagacggtag	1380
atttgtatt	ttaccacaat	aaacaaaaca	aaacaaaacc	aaaaaaaaaa	aaaaaaaaaa	1440
aaaaaaaaagg	aattcgatat	caagcttatc	gataccgctg	acctcga		1487

<210> 110

<211> 1525

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> n equals a,t,g, or c

<400> 110

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gcatcagcga	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcacccgg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggcccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctg	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctggtgatg	tacctcagcg	480
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tgggtgtggc	cgtgtacgca	gcggctgtgc	tgctgggtgc	tggctgtgcc	accatcctcg	660
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agcctcctgc	acctgtgcaa	gggaactgtg	gggacgcacg	aggatgcccc	ccarggcctt	1020
ggggaaaagc	ccccactgcc	cctcactctt	ctctggaccc	ccaccctcca	tcctcaccca	1080
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cctaaccctg	agctcagtc	agttcacccc	tcacctccag	cctgggggtc	tccagacact	1320
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gcctggaccc	caccgtggtg	ggcagcaggg	ctgcccggca	ggcttggtgg	actctgctgg	1440
cagcaaatata	agagatgacg	gcaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	1500
aaaaaaaaaaa	aaacccaccg	tccgc				1525

<210> 111

<211> 552

<212> DNA

<213> Homo sapiens

<400> 111

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aaattatttc	ccattacaaa	gaagaacccc	tgacagagag	aatcaaatat	gactagtgtg	240
tgttccacac	cctctgctac	tgtgttacat	tctgattgtc	ttgtatggac	cagaagagag	300
ctttgggaca	ttttttctga	acattctaag	cattctagt	aaagttcca	tgttccaaca	360
gaacttaaaa	gcaatgtttg	ccttatatat	aaaagggaca	caataattga	ggtccacctt	420
ctaggaaatc	ctaggactcg	tttatttggg	acatgggtgg	aataaagggt	acatatggga	480
aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	540
aaaaaaaaaaa	aa					552

<210> 112

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (444)

<223> n equals a,t,g, or c

<400> 112

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tcatgttcat	ggtgctggag	gtggtggtga	gccgggtgac	ctcgtcgtcg	gcgatgctct	120
ccgactcctt	ccacatgctg	tcggacgtgc	tgccgctggg	ggtggcgctg	gtggccgagc	180
gcttcgcccc	gcggacccac	gccacccaga	agaacacgtt	cggctggatc	cgagccgagg	240
taatgggggg	tctggtgaac	gccatcttcc	tgactggcct	ctgtttcgcc	atcctgctgg	300
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tcggcggtgg	cgggctgctg	gtcaacgtgc	tggggctctg	cctcttccac	catcacagcg	420
gcttcagcca	ggactccggc	cacngccact	cgcacggggg	tcacggccac	ggccacggcc	480
tccccaaagg	gcctcgcgtt	aagagcacc	gccccgggag	cagcgacatc	aacgtggccc	540
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ccaacgggct	gaaattggac	cccgcagacc	cagaaaaccc	cagaagtgg	gatacagtgg	660
aagtacaagt	gaatggaaat	cttgtcagag	aacctgacca	tatggaaact	gaagaagata	720
gggctggaca	acttaacatg	cgtggagttt	ttctgcatgt	ccttgagag	gccttgggtt	780
cagtgattgt	agtagtaaat	gccttagtct	tttacttttc	ttggaaagg	tggttctgaag	840
gggatttttg	tgtgaatcca	tgtttcctcg	accctgcaa	agcatttgta	gaaatattaa	900
tagtactcat	gcacagttt	atgag				925

<210> 113
 <211> 1340
 <212> DNA
 <213> Homo sapiens

<400> 113
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 cccctgttaa agatgcaggc tctttacaat gaagacacat cttctgatgt tccttctctc 180
 ctgtatggcc agatgcacag gaatagtgcc caaaagacct cagcctgctt tccctttaag 240
 gggaaggaga agaaaaaact cttttttatt ttacttttct ttcagcattg aatttttggt 300
 gtgtgtatgg tgacttctgt ttttgggaaa cgggaagaag ccagcagcat gctgaattgt 360
 cctgacaggc tccgctgggc tcttgccgag gttagcagtg ctttttttgt atttaaacca 420
 tctcccgggc agtgtaaaaa gtttgccagg gttagcattc tgtctgactg gtctcggcag 480
 tgctctataa ccctgttgtg tttcttgata aaacacagcc ccacccttta ataaagcaaa 540
 gattgctatg aaaccagaga gtctattcat tactgtggag taactagagc agtctgtagt 600
 gactagacat acggcaatta ggaagtcatt gagttgggat ttttgtctta attttggtg 660
 ctcaaagtgc cccctgtagg atattctttt ttcgggaatt gtttccaaac ttgcctgtct 720
 ttatctatgg tgaaactcaa gccgcttttt aaggcaagcc tgcaaacca agtatcaaca 780
 tgggctcctg aaggcacagg gagcagattc acagttctga ccagtgttag ggtccccacg 840
 agggccaccc atttgaactc aagggtggca gactctggcc ccagcacttg ccgtgggttc 900
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 gaggccgagg tgggtgggtc acgagctcag cagatcaaga ccatcctggc caatatggtg 1140
 aaaccctgtc tctgctaaaa atacaaaaat tggctgggcg tgggtggcggg tgccctgtagt 1200
 cccagctact cgggaggctg aggcgggaga atcgattgga cccaggaggc ggaggttgca 1260
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 aaaaaaaaaa aaaaaaaaaa 1340

<210> 114
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (384)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (389)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (799)

<223> n equals a,t,g, or c

<400> 114

ctgcaggaat	tcggcacgag	aaagaaaggc	gagagaaaaa	tcaaggcacc	aaatttagat	60
tggaggtctc	agaggagcag	tgttttccct	ccttcgtaac	agttgaacaa	cttcagatg	120
tagctagctg	caccccctgt	aaagatgcag	gctctttaca	atgaagacac	atcttctgat	180
gttccttctc	tcctgtatgg	ccagatgcac	aggaatagtg	cccaaaagac	ctcagcctgc	240
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ttgaattttt	gttgtgtgta	tggtgacttc	tgtttttngg	gaaacggaag	aagccagcag	360
catgctgaat	tgtcctgaca	ggcntccgnt	ggctcttgcc	gaggtagca	gtgctttttt	420
tgwatttaaa	ccatctcccc	ggcagtgtaa	aaagtttgca	ggcgcgga	ttctgtctga	480
ctggctcggg	cagtgtctta	taaccctgtt	gtgtttcttg	ataaaacaca	gccccaccct	540
ttaataaagc	aaagattgct	atgaaaccag	agagtctatt	cattactgtg	gagtaactag	600
agcagtctgt	agtgactaga	catacggcaa	ttaggaagtc	atggagttgg	gatttttgtc	660
ttaatttttg	ctgctcaaag	tgccccctgt	aggatattct	tttttcggga	attgtttcca	720
aacttgccctg	tctttatcta	tggtgaaact	caagccgctt	tttaaggcaa	gcctgcaaac	780
ccaagtatca	acatggggnc	ctgaagggac	agg			813

<210> 115

<211> 1681

<212> DNA

<213> Homo sapiens

<400> 115

cgatggcccc	gcgggcgctc	tagaaagtc	cgtttttttt	tttttttttt	tttttttttt	60
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cagcccragg	aagggaacca	ataacctttc	aaaacscaaa	ctgctkcctg	cggtaggggc	180
ccagggtcct	ccacggagag	gacaggcatc	ttcctttccc	accaggaagg	agtcagcccg	240
gagcctctgc	tatgtgcaag	gcggtgtgca	agcaccggct	gcggtctctt	gctgtctctt	300
ctttctcttt	ggggctgggc	tggtgtgtgc	ttctgggtgc	gatgctttgg	cctgtgaggc	360
tgagcttggc	ayctcgacct	gttcaattac	agcaacgaag	aagccactgc	tragygtggt	420
ctcaggggar	gcccggaggc	agtgtctggc	acccgggaac	gtgctcaggc	ctcgggtggg	480
ccaggcaggc	agggcgggag	ctagcctgaa	ggcgcccggg	ttctgtctga	gcgcatctcg	540
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gaagttgctg	gagtacacca	accccttgat	agagcctggc	ggctctccac	gccggccaac	1620
acgcctgcag	ctgcagcata	cagcccatg	ttccgtcgcg	ctttacggct	ttgtggcaaa	1680
a						1681

<210> 116
 <211> 2052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2045)
 <223> n equals a,t,g, or c

<400> 116
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 ataagcactt ggaatcacgg gttgaagaga ttatggagaa gtctggcgag gaaggaatgc 120
 ctgatcttgc ccatgtcatg cgcatcttgt ctgcagaaaa tatcccaaatt ttgcctcctg 180
 ggggaggtct tgctggcaas cgtaatgtta ttgaagctgt ttatagtaga ctgaatccac 240
 atagagaaaag tgatgggggt gctggagatc tagaagaccc atggtagcct taaaaacctt 300
 ctaaaatgct tttrattctg aaaattgggg gaaaaaactt ttaatcaca ttttcttcaa 360
 tacaagggga aaatattctt gcggattccc aacgttttgt gatatgagca gaaaatcatt 420
 agcattttccc atcattttgt catattttgt ttttctgaca gttgccactt gtagcattgc 480
 ctgtactaca gtattttttg ccaacctcag gcatactcgt tacatctgta ttgaactttc 540
 ggccctagaa accagtggag ttatttcacc acaaatacaac aatgtgcctg aggtgcatgg 600
 gaaatatagt tagctatact ctgaaaatac attatgtttt ttttctttaa acaaaacaca 660
 caacatgtaa gcatgtaaga gtaagaatt gtatgatag ttctttttt cagttcacca 720
 agttggaagc cttttgcagc tctgtggctt ggaatttcat ttgagcaatt tctataggat 780
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 gggttctcca ataatgtcca aattgtaatg ttgccttgct tcaagataaa gtgtatttgg 900
 gaataatatt ataaaccctt acaaatttta tgcattgtat tactgcatcc ttcaactctc 960
 actagaaaat cttttgaaac caaatggatt aatttatggc tatttataat ttgctttgac 1020
 atctcactgt tggaaatttt ttaaagatga gatttgcctt tataatgtaa attgtgattt 1080
 ttgttttaca tgtgggtttc tatagtttta attttttcag cttttaagat acgagttttg 1140
 tgtaatttgg tatttttaat catttatgtt attttaaaag ctcagaatat cacattgaaa 1200
 ttactataaa tacatttaaa attatctatt ttagatctaa ggaaatacta cagagatatt 1260
 ttcattgggt cagtaacttt tcattttata acattgggca cgggtacagag tgattgtcac 1320
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 gagttttgca tgtattaaat tcaattaatg ctgaacatga agagtaaatg atttatctga 1440
 aagaagtttc tgggttagga gaagtaatga atgtatccat ttgtacatgg ttacatgtt 1500
 gtggatgctt tgtaaacatt ttcctgtatg tttaaattgt gtttcagcag gatgtaattg 1560
 cccttggtg tagttaaaat gagtcatcat ctggctcctt gtgaaatgga attcatggta 1620
 ttttctgtaa cgttttcctg aagctgtttc tggagagcca cacatttaaa tacagacagc 1680
 tttcctgac atttgattta ttgtgcacct gatttttggg ctaaaaggaa ttattgccac 1740
 aatataattt atttattctt tagatttttag ccttgtaagt taaagtgcct tacatgatga 1800
 tgtgaaaagc tgtttgtccc tttactgggt ttgggggggt gttaaaagat agggaaatgaa 1860
 gaatgcaaaa tgggtttatcg ttcaaactgt ccactctgat ccaaccctgt actgatagta 1920
 cttcccagta tgatattgtg atgtttcata caatgcagtg aacataacca acttgttacc 1980
 taaataaaga attgataaaa acagtgtgac atattaaaaa aaaggggggc ccggtaccca 2040
 attcnccta ta 2052

<210> 117
 <211> 539
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (528)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (529)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (531)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (532)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (537)
 <223> n equals a,t,g, or c

<400> 117
 gagatacatt ccatgaatac ctagttttatt gagagttttt agcatgaagg actgtcgaat 60
 tttgtcaaaag gcttttttctg catctattga gataatcatg tgggtttttgt ctttggttct 120
 gtttatgtga tggactatgt ttattgattt gcatatgttg aaccagcctt gcattctcagg 180
 gatgaagcca actcgatcgt tgtggataag ctttttgatg tgctgctgga tttgggttgc 240
 caatatttta ttgaggattt ttgcatcagt gttcttcagg gatattgggc taaaattctc 300
 ttttttttgt tgtgtctctg ccaggctttg gtatcaggat gatgctggcc tcataaatga 360
 gttagggagg attccctctt tctattgatc agaatagttt cagaaggaat ggtaccagct 420
 cttcttttga cctctggtag aatttgggtg kgaatctatc ttgkcctgga atatttttgg 480
 ggttggaact caaaaaaaaaa aaaaaaaaaa tcaaaaaaaaaa aaaaaaanna nnaaaaaaa 539

<210> 118
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (117)
 <223> n equals a,t,g, or c

<400> 118
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 ggcggccgga atccgggagt cgggtgaccc gggctgtggt ctagcataaa ggcggancca 120
 gaagaagggg cgggggatgg gagaagcctc cccacctgcc cccgcaaggc ggcattctgct 180
 ggtcctgctg ctgctcctct ctacctgggt gateccctcc gctgcagctc ctatccatga 240
 tgctgacgcc caagagagct ccttgggtct cacaggcctc cagagcctac tccaaggctt 300
 cagccgactt ttcctgaaag taacctgctt cggggcatag acagcttatt ctctgcccc 360
 atggacttcc ggggcctccc tgggaactac caaaaagagg agaaccagga gcaccagctg 420
 ggaacaaca ccctctccag ccacytccag atcgacaaga tgaccgacaa caagacagga 480

gaggtgctga	tctccgagaa	tgtggtggca	tccattcaac	cagcggaggg	gagcttcgag	540
ggtgatttga	aggtacccag	gatggaggag	aaggaggccc	tggtacccat	ccagaaggcc	600
acggacagct	tccacacaga	actccatccc	cgggtggcct	tctggatcat	taagctgcca	660
cggcggaggt	cccaccagga	tgccctggag	ggcggccact	ggctcagcga	gaagcgacac	720
cgcctgcagg	ccatccggga	tggactccgc	aaggggaccc	acaaggacgt	cctagaagag	780
gggaccgaga	gctcctccca	ctccaggctg	tcccccgaa	agaccactt	actgtacatc	840
ctcaggccct	ctcggcagct	gtaggggtgg	ggaccgggga	gc		882

<210> 119

<211> 1193

<212> DNA

<213> Homo sapiens

<400> 119

acactatata	agttacgcct	gcaggttacc	ggtccggtaa	ttcccggtc	gtacccacgc	60
gtccggtaat	gtcaaaggaa	aagtaattct	gtcaatgctg	gttgtctcaa	ctgtgatcat	120
tgtgttttgg	gaatttatca	acagcacaga	aggctctttc	ttgtggatat	atcactcaaa	180
aaaccagaaa	gttgatgaca	gcagtgtctc	gaagggtctg	tggtttctga	gctggtttaa	240
caatgggatc	cacaattatc	aacaagggga	agaagacata	gacaaagaaa	aaggaagaga	300
ggagacaaa	ggaaggaaaa	tgacacaaca	gagcttcggc	tatgggactg	gtttaatcca	360
aacttgaagg	aatccgaata	actaaactgg	actctggttt	tctgactcag	tccttctaga	420
agacctggac	tgagagatca	tgcggttaag	gagtgtgtaa	caggcggacc	acctgttggg	480
actgsgagat	tctcaagggg	aaggactggg	tctcatttct	cccatctcag	cgcttagcag	540
gatgacctgg	tatagagcag	ggaactggga	aatgtgggtc	aggggatcag	acactccagt	600
tgggtctttt	atataaatta	aatggcaaaa	ggctccatac	ccttctcctt	ctttcctacc	660
ctccacttta	tctgcaaaat	gggaatgatg	ataacaccca	cttcatagaa	tggtcatgaa	720
gatcaaatga	gagaataaaa	gtcaagcact	tagcctctgg	tgcaacaata	gtattaaata	780
agtataccta	ttcctccttt	tcctttttta	aaaataatat	taccaaagt	ccagcttata	840
cacatttaca	agacttagct	agtgggctat	gtagagcta	ctaaaagatc	tttgacaagc	900
taaaactaag	atgcaatgaa	tgaggtgtaa	cgaacaagag	agttttaagt	tcagaaatgg	960
ttacagaagt	ataagacagc	tgtgtgggtg	ttttttgggt	tttggtttct	ggtttacaat	1020
ctcgtcattc	aacaaagatg	ggagttttat	agaactaaaa	gcmccatgta	agctactaaa	1080
aacaacaaca	aaaaaggctc	atcattttct	agtctgaatt	gacaaaaatg	ccaatgcaaa	1140
taaaaatgat	tactttttat	tttaaaaaaa	aaaaaaaaaa	aaaaaaaactc	gta	1193

<210> 120

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (519)

<223> n equals a,t,g, or c

<400> 120

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ggacttctag	ttttcctcac	ccctattgcc	ttcatccttt	tacctccgat	cctgtggagg	120
gaatgagctg	gagccttgtg	gcacaatttg	tgaggggctc	tttatctcca	tggcattcaa	180
actcctcatt	ctgctcatag	ggacctgggc	actttttttc	cgcaagcgga	gagctgacat	240
gccacgggtg	tttgtgtttc	gtgccctttt	gttggtcctc	atcttttctc	tttgtggttt	300
ccctattggc	ttttttacgg	ggtccgcatt	ttggactctc	gggaaccgga	attaccaagg	360
gattgtgcaa	tatgcagtct	ccccttgttg	aatgccctcc	tccttccatc	cattactggc	420

catccgtccc	tgctggagct	cagggagctt	gcagcccaat	gttccacgct	gcagggttgg	480
cccgtccca	accgaatggg	gaaatccccg	cttccagcnt	gggacacctg	agtatccagc	540
gagcagcatt	ggtggtccta	gaaaattact	acaaagattt	caccatctat	aacccaaacc	600
tcctaacagc	ctccaaattc	cgagcagcca	agcatatggc	cgggctgaaa	gtctacaatg	660
tagatggccc	cagtaacaat	gccactggcc	agtcccgggc	catgattgct	gcagctgctc	720
ggcgcagggg	ctcaagccac	aacgagttgt	attatgaaga	ggccgaacat	gaacggcgag	780
taaagaagcg	gaaagcaagg	ctggtggttg	cagtgggaaga	ggccttcac	cacattcagc	840
gtctccaggc	tgaggagcag	cagaaagccc	caggggaggt	gatggaccct	agggaggccg	900
cccaggccat	tttcccctcc	atggccaggg	ctctccagaa	gtacctgcgc	atcacccggc	960
agcagaacta	ccacagcatg	gagagcatcc	tgcaagcacc	tggccttctg	catcaccaac	1020
ggcatgaccc	ccaaggcctt	cctagaacgg	tacctcagtg	cgggccccac	cctgcaatat	1080
gacaaggacc	gctggctctc	tacacagtgg	aggcttgtea	gtgatgaggc	tttgactaat	1140
ggattacggg	atggaattgt	gttcgtcctt	aagtgccttg	acttcagcct	cgtagtcaat	1200
gtgaagaaaa	ttccattcat	catactctct	gaagagttca	tagaccccaa	atctcacaaa	1260
tttgtccttc	gcttacagtc	tgagacatcc	gtttaaaagt	tctatatattg	tggctttatt	1320
aaaaaaaaaa	aaaaaaaaa					1338

<210> 121

<211> 1183

<212> DNA

<213> Homo sapiens

<400> 121

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acaggatggg	gctgccagtg	tcctggggccc	ctcctgccct	ctgggttcta	gggtgctgcg	120
ccctgctcct	ctcgtgtgtg	gcgtgtgtga	cagcctgccg	cagcccgagg	acgctgtagc	180
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agcgtcccta	ctgaggcgga	cccacctctg	cttccctcag	caagtcggac	accagactgc	300
acgagctgca	ccggggcccc	cgcagcagca	gggccctgcg	gcctgccagy	atggatctcc	360
tgcgcccaca	ctggctggag	gtgtccaggg	acatcaccgg	accgcaggca	gccccctctg	420
ccttcccaca	ccaggagctg	ccccgggctc	tgcgggcagc	tgccagccacc	gcagggtgcgc	480
tggcctcgag	gccacctatt	ccaacgtggg	gctggcgggc	cttcccgggg	tcagcctggc	540
ggccagccct	gtggtggccg	agtatgcccg	cgtccagaag	cgcaaaggga	cccctcgagc	600
tccccaaag	ccacagcagg	ggaagactga	ggtgaccccc	gccgctcagg	tggacgtcct	660
gtactccagg	gtctgcaagc	ctaaaaggag	ggaccagga	cccaccacag	acccgctgga	720
ccccaaaggg	cagggagcga	ttctggccct	ggcgggtgac	ctggcctacc	agaccctccc	780
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ctgccccagc	ctagggaggg	gctggagacc	cctccctgcc	tccctgccct	gaacactcaa	960
ggacctgtgc	tccttcctcc	agagtgaggc	ccgtcccccg	ccccgccccg	cctcacagct	1020
gacagcgcca	gtcccaggtc	cccgggcgcg	cagcccgtag	ggtccgtgag	gtcctggccg	1080
ctctgacagc	cgcggcctcc	ccgggctcca	gagaaggccc	gcgtctaaat	aaagcgccag	1140
cgcaggatga	aagcgaaaaa	aaaaaaaaaa	aaagggcggc	cgc		1183

<210> 122

<211> 615

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 122
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 aaagactcgg ccttcaagga gcctaaatgt gtagaaaagg actaaggcaa aacaataact 120
 tttttgagct cttgccatgt gtgaagcact ttatacacct gtaaggtagg taacgttggt 180
 cttattaaac atgaagaaaa tgagactttg tgagaagcaa tacagtatag aagttaagaa 240
 tatggactct aaagctagat ttcagagggt tgaagtagct ctgctactta ctggctgtgt 300
 gactttgagc agattactta acctgtctgt gcctatgttt actttttattg ttgtaaaaag 360
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 ttgcattcac tatgttggtgc aaacgtaggg tcgctatgaa gattaaatga gttaattcat 480
 ataaagccct cagaagagtg tctggcacat ggtgagtatt ggctgtactg tggtcgatgt 540
 cattgttaga gagctttagt gatttgctta agacagaaag gtanactggg gtgcgggtggg 600
 ctcacgccct ggta 615

<210> 123
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 123
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 tcaactgggat gctgtccagc tactacaaca ccacctccgt gctgctgtgc ctgggcatca 120
 cggcccttgt ctgcctctca gtcaccgtct tcagcttcca gaccaagttc gacttcacct 180
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<210> 124
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<400> 124
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 ggctgcccag ggattgccag gagctgttcc aggttgggga gaggcagagt ggactatttg 240
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cccctgggga	cacaagcagg	cgccaatggt	atctgggcgg	agctcacaga	gttcttggaa	1320
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<210> 125

<211> 583

<212> DNA

<213> Homo sapiens

<400> 125

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ggcctctgct	gactcctacc	agagcatccg	tccagctcag	ccatccagcc	tgtctctact	480
gggccccact	tctctggatc	agagaccctg	cctctgtttg	accccgcaact	gactgaataa	540
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<210> 126

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1184)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1240)

<223> n equals a,t,g, or c

<400> 126

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atctcccggc	ctcggggtcct	tgcctggccc	agcatgagag	gtgcttcata	ggaacggagg	180
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<210> 127

<211> 1311

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1036)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1223)

<223> n equals a,t,g, or c

<400> 127

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catcagtgtc	ctgggaacca	gctgggcaga	tgtggtacac	ccatgtcaga	taccccagtg	180
gcaggctcct	gtcactgtag	cacttggtcc	ctccatccct	cccagccttc	ctagctcctt	240
gtcctctggaa	acctcccccc	atcaatctct	gacatttcag	aggaaatact	gtttgtcacc	300
tcttaaggaa	tctgggagga	cggcctgtga	gatatggcgt	cagttacagc	ctcttaaaga	360
gtcaatagcc	cctgcagagg	ccagaacact	ggaacaaatg	taaggaaggt	atagttttta	420

aagatttttg	acttgaatta	aataggattg	gttacttctt	gccccctccg	aggggtggact	480
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tttttttttt	tttgaaatar	tgagccaaga	ttgcgccact	gcattccatc	ctcagcaaca	840
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<210> 128

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1217)

<223> n equals a,t,g, or c

<400> 128

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cagtagtcct	tatttcagt	ctagaccctt	tgaatgcga	tgaagctat	atggaccctt	180
cgctttgtta	tataacatat	gcacacatac	ccagaatttt	gcacatatgt	tcagagattc	240
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actggatttg	cccaattttg	tgttattttg	ggacttaatt	tgtccctctt	tgggacattt	360
ccttattttat	tgccctcttc	agagagtaga	tgtagaaaat	aaagagagga	aacctagatt	420
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gttctgaaac	atwtgaattt	atgtgacagc	tgaagtcacg	agatgaggka	tgtatgtccc	720
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aaaaaaaaaa	aaaaaanaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1249

<210> 129

<211> 1660

<212> DNA

<213> Homo sapiens

<400> 129

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gcttcaggga	gcgcttcttc	cagcagcgtc	tggaccactt	caacttcgag	cgcttcggca	180
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			1660

<210> 130

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 130

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa			2075

<210> 131

<211> 1333

<212> DNA

<213> Homo sapiens

<400> 131

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<210> 132

<211> 56

<212> PRT

<213> Homo sapiens

<400> 132

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Phe	Phe	Phe	Ser	Val	Ile	Ser	Val	His	Cys	Ala	Gln	Ser	Phe	Ile	Ser
			20					25					30		

Val	Thr	Gln	Thr	Glu	Pro	Ser	Pro	Ala	Val	Cys	Ile	Phe	Pro	Ala	Val
		35					40					45			

Gly	Ser	Gly	Leu	Gly	Pro	Cys	Asp
50						55	

<210> 133

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 133

Met	Ala	Xaa	Leu	Asp	Asn	Cys	Leu	Met	Leu	Leu	Ile	Thr	Ser	Gly	Thr
1				5					10					15	

Trp	Leu	Gly	Ser	Val	Ala	Arg	Lys	Thr	Trp	Gln	Ala	Ile	Cys	Asp	Ser
			20					25					30		

Gly	Ser	Ser	Gly	Cys	Ala	Leu	Ile	Arg	Xaa
		35					40		

<210> 134

<211> 415

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (415)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 134

Met	Asn	Pro	Thr	Leu	Gly	Leu	Ala	Ile	Phe	Leu	Ala	Val	Leu	Leu	Thr
1				5					10				15		

Val	Lys	Gly	Leu	Leu	Lys	Pro	Ser	Phe	Ser	Pro	Arg	Asn	Tyr	Lys	Ala	20	25	30
Leu	Ser	Glu	Val	Gln	Gly	Trp	Lys	Gln	Arg	Met	Ala	Ala	Lys	Glu	Leu	35	40	45
Ala	Arg	Gln	Asn	Met	Asp	Leu	Gly	Phe	Lys	Leu	Leu	Lys	Lys	Leu	Ala	50	55	60
Phe	Tyr	Asn	Pro	Gly	Arg	Asn	Ile	Phe	Leu	Ser	Pro	Leu	Ser	Ile	Ser	65	70	75
Thr	Ala	Phe	Ser	Met	Leu	Cys	Leu	Gly	Ala	Gln	Asp	Ser	Thr	Leu	Asp	85	90	95
Glu	Ile	Lys	Gln	Gly	Phe	Asn	Phe	Arg	Lys	Met	Pro	Glu	Lys	Asp	Leu	100	105	110
His	Glu	Gly	Phe	His	Tyr	Ile	Ile	His	Glu	Leu	Thr	Gln	Lys	Thr	Gln	115	120	125
Asp	Leu	Lys	Leu	Ser	Ile	Gly	Asn	Thr	Leu	Phe	Ile	Asp	Gln	Arg	Leu	130	135	140
Gln	Pro	Gln	Arg	Lys	Phe	Leu	Glu	Asp	Ala	Lys	Asn	Phe	Tyr	Ser	Ala	145	150	155
Glu	Thr	Ile	Leu	Thr	Asn	Phe	Gln	Asn	Leu	Glu	Met	Ala	Gln	Lys	Gln	165	170	175
Ile	Asn	Asp	Phe	Ile	Ser	Gln	Lys	Thr	His	Gly	Lys	Ile	Asn	Asn	Leu	180	185	190
Ile	Glu	Asn	Ile	Asp	Pro	Gly	Thr	Val	Met	Leu	Leu	Ala	Asn	Tyr	Ile	195	200	205
Phe	Phe	Arg	Ala	Arg	Trp	Lys	His	Glu	Phe	Asp	Pro	Asn	Val	Thr	Lys	210	215	220
Glu	Glu	Asp	Phe	Phe	Leu	Glu	Lys	Asn	Ser	Ser	Val	Lys	Val	Pro	Met	225	230	235
Met	Phe	Arg	Ser	Gly	Ile	Tyr	Gln	Val	Gly	Tyr	Asp	Asp	Lys	Leu	Ser	245	250	255
Cys	Thr	Ile	Leu	Glu	Ile	Pro	Tyr	Gln	Lys	Asn	Ile	Thr	Ala	Ile	Phe	260	265	270
Ile	Leu	Pro	Asp	Glu	Gly	Lys	Leu	Lys	His	Leu	Glu	Lys	Gly	Leu	Gln	275	280	285
Val	Asp	Thr	Phe	Ser	Arg	Trp	Lys	Thr	Leu	Leu	Ser	Arg	Arg	Val	Val	290	295	300
Asp	Val	Ser	Val	Pro	Arg	Leu	His	Met	Thr	Gly	Thr	Phe	Asp	Leu	Lys			

35	40	45
Ala Thr Ser Ile Leu Gln Gln Leu Pro Leu Leu Ser Ala Met Arg Glu		
50	55	60
Lys Pro Ala Gly Gly Ile Pro Val Leu Gly Ser Leu Val Asn Thr Val		
65	70	75
Leu Lys His Ile Ile Trp Leu Lys Val Ile Thr Ala Asn Ile Leu Gln		
	85	90
		95
Leu Gln Val Lys Pro Ser Ala Asn Asp Gln Glu Leu Leu Val Lys Ile		
	100	105
		110
Pro Leu Asp Met Val Ala Gly Phe Asn Thr Pro Leu Val Lys Thr Ile		
	115	120
		125
Val Glu Phe His Met Thr Thr Glu Ala Gln Ala Thr Ile Arg Met Asp		
	130	135
		140
Thr Ser Ala Ser Gly Pro Thr Arg Leu Val Leu Ser Asp Cys Ala Thr		
	145	150
		155
Ser His Gly Ser Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu		
	165	170
		175
Val Asn Ala Leu Ala Lys Gln Val Met Asn Leu Leu Val Pro Ser Met		
	180	185
		190
Pro Arg Trp Pro Asn		
	195	

<210> 137

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 137

Met His Arg Gln Leu Leu Gly Phe Cys Phe Xaa Phe Cys Phe Phe Phe

1

5

10

15

Lys Arg His Cys Asp Cys Ile Leu Leu Tyr Leu Ile Gly Phe Val Phe

20

25

30

Leu Leu Thr Met Val Lys Ile His Leu Ser Glu His Ser Xaa
 35 40 45

<210> 138

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 138

Met Leu Lys Arg Val Ile Leu Leu Val Glu Met Phe Ile His Phe Leu
 1 5 10 15

Ile Tyr Ala Lys Ser Phe Tyr His Lys Ser Trp Glu Gln Leu Ser Phe
 20 25 30

Thr His Tyr Leu Leu Gln Ile Ser Xaa
 35 40

<210> 139

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 139

Met Pro Ile Leu Val Phe Ser Ile Cys Leu Gln Cys Thr Leu Phe Arg
 1 5 10 15

Ser Glu Ala Ile Ile Phe Gln Glu Glu Arg Asn His Gln Val Thr Leu
 20 25 30

Leu Lys Ala Val Lys Thr Lys Phe Gln Ser Gly Thr Gly Leu Arg Xaa
 35 40 45

Pro Val Leu Glu Tyr Ala Lys Ser Ile Gln Ile Ile Ser Lys Tyr Thr
 50 55 60

Cys Gly Thr Val Leu Pro Val Phe Lys Met Arg Arg Tyr Tyr Val Gly
 65 70 75 80

Gln Lys Cys Gln Xaa
85

<210> 140

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 140

Met	Phe	Phe	Leu	Leu	Cys	Leu	Val	Ala	Leu	Glu	Ile	Lys	Gly	Phe	Thr
1				5					10					15	

Phe	Ser	Ala	Arg	Gly	Ala	Arg	Asp	Arg	Phe	Leu	Asn	Lys	Ser	Gly	Pro
		20				25						30			

Gln	Pro	Gly	Lys	Lys	Met	Lys	Thr	Thr	His	Cys	Lys	Gln	Pro	Leu	Phe
		35				40						45			

Ser Lys Pro Gly Gln Val Arg Gly Ala Leu Arg Lys Ala Arg Gly Arg
 50 55 60
 Gln Glu Glu Arg Glu Ala Val Gly Met Trp Gly Gly Arg Gly His Ser
 65 70 75 80
 Tyr Pro Glu Tyr Ile Lys Thr Ser Glu Val Thr Glu Val Arg Asp Ser
 85 90 95
 Pro Lys His Pro Gln Val Gln Pro Phe Leu Thr Thr Arg Val Thr Cys
 100 105 110
 Arg Val Pro Gly His Leu Gln Val Leu Glu Ala Leu Cys Gly Ala Trp
 115 120 125
 Gly Ser Met Phe Lys His Ala Leu Val Val Val Gln Val Pro Arg Xaa
 130 135 140
 Arg Gly Arg Ala Xaa Leu Gly Ser Glu Trp Gln Val Gly Gln Leu Xaa
 145 150 155 160
 Leu Ile Leu Leu His Gly Thr Gln His Trp Ala Ala Xaa Leu Val Pro
 165 170 175
 Xaa Leu Pro Gln Glu Ser Ile Leu Pro Ala Gln Ser Xaa Arg Val Thr
 180 185 190
 Asn Thr Pro Gly Thr Glu Glu Thr Xaa
 195 200

<210> 141
 <211> 325
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Ser Gln Val Ser Ser Met Leu Lys Leu Ala Leu Gln Asn Cys
 1 5 10 15
 Cys Pro Gln Leu Trp Gln Arg His Ser Ala Arg Asp Arg Gln Cys Ala
 20 25 30
 Arg Val Leu Ala Asp Glu Arg Ser Pro Gln Pro Gly Ala Ser Pro Gln
 35 40 45
 Glu Asp Ile Ala Asn Phe Gln Val Leu Val Lys Ile Leu Pro Val Met
 50 55 60
 Val Thr Leu Val Pro Tyr Trp Met Val Tyr Phe Gln Met Gln Ser Thr
 65 70 75 80
 Tyr Val Leu Gln Gly Leu His Leu His Ile Pro Asn Ile Phe Pro Ala
 85 90 95

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Asn Pro Ala Asn Ile Ser Val Ala Leu Arg Ala Gln Gly Ser Ser Tyr
      100                      105                      110

Thr Ile Pro Glu Ala Trp Leu Leu Leu Ala Asn Val Val Val Val Leu
      115                      120                      125

Ile Leu Val Pro Leu Lys Asp Arg Leu Ile Asp Pro Leu Leu Leu Arg
      130                      135                      140

Cys Lys Leu Leu Pro Ser Ala Leu Gln Lys Met Ala Leu Gly Met Phe
      145                      150                      155                      160

Phe Gly Phe Thr Ser Val Ile Val Ala Gly Val Leu Glu Met Glu Arg
      165                      170                      175

Leu His Tyr Ile His His Asn Glu Thr Val Ser Gln Gln Ile Gly Glu
      180                      185                      190

Val Leu Tyr Asn Ala Ala Pro Leu Ser Ile Trp Trp Gln Ile Pro Gln
      195                      200                      205

Tyr Leu Leu Ile Gly Ile Ser Glu Ile Phe Ala Ser Ile Pro Gly Leu
      210                      215                      220

Glu Phe Ala Tyr Ser Glu Ala Pro Arg Ser Met Gln Gly Ala Ile Met
      225                      230                      235                      240

Gly Ile Phe Phe Cys Leu Ser Gly Val Gly Ser Leu Leu Gly Ser Ser
      245                      250                      255

Leu Val Ala Leu Leu Ser Leu Pro Gly Gly Trp Leu His Cys Pro Lys
      260                      265                      270

Asp Phe Gly Asn Ile Asn Asn Cys Arg Met Asp Leu Tyr Phe Phe Leu
      275                      280                      285

Leu Ala Gly Ile Gln Ala Val Thr Ala Leu Leu Phe Val Trp Ile Ala
      290                      295                      300

Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro Ala Ser His Ser Arg Phe
      305                      310                      315                      320

Ser Arg Asp Arg Gly
      325

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<210> 142

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 142
 Met Val Phe Val His Leu Tyr Leu Gly Asn Val Leu Ala Leu Leu Leu
 1 5 10 15
 Phe Val His Tyr Ser Asn Gly Asp Glu Ser Ser Asp Pro Gly Pro Gln
 20 25 30
 His Arg Ala Gln Gly Pro Gly Pro Glu Pro Thr Leu Gly Pro Leu Thr
 35 40 45
 Arg Leu Glu Gly Ile Lys Val Gly His Glu Arg Lys Val Gln Leu Val
 50 55 60
 Thr Asp Arg Asp His Phe Ile Arg Thr Leu Ser Leu Lys Pro Leu Leu
 65 70 75 80
 Phe Glu Ile Pro Gly Phe Leu Thr Asp Glu Glu Cys Arg Leu Ile Ile
 85 90 95
 His Leu Ala Gln Met Lys Gly Leu Gln Arg Xaa Arg Ser Cys Leu Leu
 100 105 110
 Lys Ser Met Lys Arg Gln Xaa
 115

<210> 143
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 143
 Met Lys Leu Thr Ile Phe Phe Xaa Phe Pro Gln Thr Ile Thr Gly Leu
 1 5 10 15

Leu Gln Xaa Leu Met Ser Arg Gln Val Glu Asp Val Ala Phe Leu Pro
 20 25 30

Leu Pro His Pro Val Phe Ser Phe Ser Phe Phe Phe Pro Leu Val Xaa
 35 40 45

<210> 144
 <211> 520
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (205)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (213)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (225)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (520)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 144
 Met Gln Gly Gly Gln Arg Pro His Leu Leu Leu Leu Leu Leu Ala Val
 1 5 10 15

Cys Leu Gly Ala Gln Ser Arg Asn Gln Glu Glu Arg Leu Leu Ala Asp
 20 25 30

Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro Ala Glu Arg Asp Ser
 35 40 45

Asp Val Val Asn Val Ser Leu Lys Leu Thr Leu Thr Asn Leu Ile Ser
 50 55 60

Leu Asn Glu Arg Glu Glu Ala Leu Thr Thr Asn Val Trp Ile Glu Met

65						70						75						80
Gln	Trp	Cys	Asp	Tyr	Arg	Leu	Arg	Trp	Asp	Pro	Lys	Asp	Tyr	Glu	Gly			
				85					90					95				
Leu	Trp	Ile	Leu	Arg	Val	Pro	Ser	Thr	Met	Val	Trp	Arg	Pro	Asp	Ile			
			100					105						110				
Val	Leu	Glu	Asn	Asn	Val	Asp	Gly	Val	Phe	Glu	Val	Ala	Leu	Tyr	Cys			
		115					120					125						
Asn	Val	Leu	Val	Ser	Pro	Asp	Gly	Cys	Ile	Tyr	Trp	Leu	Pro	Pro	Ala			
		130				135					140							
Ile	Phe	Arg	Ser	Ser	Cys	Ser	Ile	Ser	Val	Thr	Tyr	Phe	Pro	Phe	Asp			
145					150					155					160			
Trp	Gln	Asn	Cys	Ser	Leu	Ile	Phe	Gln	Ser	Gln	Thr	Tyr	Ser	Thr	Ser			
				165					170					175				
Glu	Ile	Asn	Leu	Gln	Leu	Ser	Gln	Glu	Asp	Gly	Gln	Ala	Ile	Glu	Trp			
			180					185					190					
Ile	Phe	Ile	Asp	Pro	Glu	Ala	Phe	Thr	Glu	Asn	Gly	Xaa	Trp	Xaa	Ile			
		195					200					205						
Arg	His	Arg	Pro	Xaa	Lys	Met	Leu	Leu	Asp	Ser	Val	Ala	Pro	Ala	Glu			
	210					215					220							
Xaa	Ala	Gly	His	Gln	Lys	Val	Val	Phe	Tyr	Leu	Leu	Ile	Gln	Arg	Lys			
225					230					235					240			
Pro	Leu	Phe	Tyr	Val	Ile	Asn	Ile	Ile	Ala	Pro	Cys	Val	Leu	Ile	Ser			
				245					250					255				
Ser	Val	Ala	Ile	Leu	Ile	Tyr	Phe	Leu	Pro	Ala	Lys	Ala	Gly	Gly	Gln			
			260					265					270					
Lys	Cys	Thr	Val	Ala	Thr	Asn	Val	Leu	Leu	Ala	Gln	Thr	Val	Phe	Leu			
		275				280							285					
Phe	Leu	Val	Ala	Lys	Lys	Val	Pro	Glu	Thr	Ser	Gln	Ala	Val	Pro	Leu			
	290					295					300							
Ile	Ser	Lys	Tyr	Leu	Thr	Phe	Leu	Met	Val	Val	Thr	Ile	Leu	Ile	Val			
305					310					315					320			
Val	Asn	Ser	Val	Val	Val	Leu	Asn	Val	Ser	Leu	Arg	Ser	Pro	His	Thr			
				325					330					335				
His	Ser	Met	Ala	Arg	Gly	Val	Arg	Lys	Val	Phe	Leu	Arg	Leu	Leu	Pro			
			340					345					350					
Gln	Leu	Leu	Arg	Met	His	Val	Arg	Pro	Leu	Ala	Pro	Ala	Ala	Val	Gln			
		355					360					365						

Asp Ala Arg Phe Arg Leu Gln Asn Gly Ser Ser Ser Gly Trp Pro Ile
 370 375 380
 Met Ala Arg Glu Glu Gly Asp Leu Cys Leu Pro Arg Ser Glu Leu Leu
 385 390 395 400
 Phe Arg Gln Arg Gln Arg Asn Gly Leu Val Gln Ala Val Leu Glu Lys
 405 410 415
 Leu Glu Asn Gly Pro Glu Val Arg Gln Ser Gln Glu Phe Cys Gly Ser
 420 425 430
 Leu Lys Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn
 435 440 445
 Leu Met Ala Arg Ala Arg Arg Gln Gln Ser His Phe Asp Ser Gly Asn
 450 455 460
 Glu Glu Trp Leu Leu Val Gly Arg Val Leu Asp Arg Val Cys Phe Leu
 465 470 475 480
 Ala Met Leu Ser Leu Phe Ile Cys Gly Thr Ala Gly Ile Phe Leu Met
 485 490 495
 Ala His Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg
 500 505 510
 Pro Tyr Leu Pro Leu Pro Asp Xaa
 515 520

<210> 145

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 145

Met Leu Leu Phe Ser Ser Arg Phe Ile Met Phe Leu Trp Pro Pro Val
 1 5 10 15
 Ser Gly Val Cys Leu Ser Phe Ile Arg Asp Arg Ser Phe Leu Pro Met
 20 25 30
 Cys His Phe Ile Tyr Val Leu Ile Leu Cys Asn Ser Ile Ala Leu Xaa
 35 40 45

<210> 146

<211> 431

<212> PRT

<213> Homo sapiens

<400> 146

Met	Ser	Trp	Val	Gln	Ala	Thr	Leu	Leu	Ala	Arg	Gly	Leu	Cys	Arg	Ala
1				5					10					15	

Trp	Gly	Gly	Thr	Cys	Gly	Ala	Ala	Leu	Thr	Gly	Thr	Ser	Ile	Ser	Gln
			20					25					30		

Val	Pro	Arg	Arg	Leu	Pro	Arg	Gly	Leu	His	Cys	Ser	Ala	Ala	Ala	His
		35					40					45			

Ser	Ser	Glu	Gln	Ser	Leu	Val	Pro	Ser	Pro	Pro	Glu	Pro	Arg	Gln	Arg
	50					55					60				

Pro	Thr	Lys	Ala	Leu	Val	Pro	Phe	Glu	Asp	Leu	Phe	Gly	Gln	Ala	Pro
65					70					75					80

Gly	Gly	Glu	Arg	Asp	Lys	Ala	Ser	Phe	Leu	Gln	Thr	Val	Gln	Lys	Phe
				85					90					95	

Ala	Glu	His	Ser	Val	Arg	Lys	Arg	Gly	His	Ile	Asp	Phe	Ile	Tyr	Leu
			100					105					110		

Ala	Leu	Arg	Lys	Met	Arg	Glu	Tyr	Gly	Val	Glu	Arg	Asp	Leu	Ala	Val
		115					120					125			

Tyr	Asn	Gln	Leu	Leu	Asn	Ile	Phe	Pro	Lys	Glu	Val	Phe	Arg	Pro	Arg
130						135					140				

Asn	Ile	Ile	Gln	Arg	Ile	Phe	Val	His	Tyr	Pro	Arg	Gln	Gln	Glu	Cys
145					150					155				160	

Gly	Ile	Ala	Val	Leu	Glu	Gln	Met	Glu	Asn	His	Gly	Val	Met	Pro	Asn
			165						170					175	

Lys	Glu	Thr	Glu	Phe	Leu	Leu	Ile	Gln	Ile	Phe	Gly	Arg	Lys	Ser	Tyr
			180					185					190		

Pro	Met	Leu	Lys	Leu	Val	Arg	Leu	Lys	Leu	Trp	Phe	Pro	Arg	Phe	Met
		195					200					205			

Asn	Val	Asn	Pro	Phe	Pro	Val	Pro	Arg	Asp	Leu	Pro	Gln	Asp	Pro	Val
210						215					220				

Glu	Leu	Ala	Met	Phe	Gly	Leu	Arg	His	Met	Glu	Pro	Asp	Leu	Ser	Ala
225					230					235					240

Arg	Val	Thr	Ile	Tyr	Gln	Val	Pro	Leu	Pro	Lys	Asp	Ser	Thr	Gly	Ala
				245					250					255	

Ala Asp Pro Pro Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln
 260 265 270
 Gln Ala Ala Leu Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu
 275 280 285
 Gly Pro Phe Ser Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile
 290 295 300
 Leu Arg Ala Asp Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr
 305 310 315 320
 Pro Glu Glu Trp Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr
 325 330 335
 Val Arg Ser Gly Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu
 340 345 350
 Glu Gly Pro Val Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala
 355 360 365
 Thr Met Ala Lys Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu
 370 375 380
 Ala Gln Ile Pro Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu
 385 390 395 400
 Gln Thr Ser Ser Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His
 405 410 415
 Gln Glu Glu Asp Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
 420 425 430

<210> 147

<211> 443

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (364)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (443)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 147

Met Trp Phe Thr Tyr Leu Leu Leu Tyr Leu His Ser Val Arg Ala Tyr
 1 5 10 15

Ser Ser Arg Gly Ala Gly Cys Cys Cys Cys Trp Ala Arg Trp Arg Arg
 20 25 30

Ala	Val	His	Thr	Ala	Arg	Gly	Leu	Arg	Gly	Arg	Pro	Arg	Arg	Gln	Leu	35	40	45
Leu	Arg	Pro	Leu	Arg	Pro	Ala	Gln	Gly	Leu	Ala	Pro	Gly	Arg	His	Arg	50	55	60
Leu	Arg	Pro	Ala	Val	Leu	Pro	Leu	His	Leu	Gln	Pro	Leu	Pro	Gly	Leu	65	70	75
Trp	Gly	Gly	His	Ala	Glu	Trp	Ala	Ala	Leu	Leu	Tyr	Tyr	Gly	Pro	Phe	85	90	95
Ile	Val	Ile	Phe	Gln	Phe	Gly	Trp	Ala	Ser	Thr	Gln	Ile	Ser	His	Leu	100	105	110
Ser	Leu	Ile	Pro	Glu	Leu	Val	Thr	Asn	Asp	His	Glu	Lys	Val	Glu	Leu	115	120	125
Thr	Ala	Leu	Arg	Tyr	Ala	Phe	Thr	Val	Val	Ala	Asn	Ile	Thr	Val	Tyr	130	135	140
Gly	Ala	Ala	Trp	Leu	Leu	Leu	His	Leu	Gln	Gly	Ser	Ser	Arg	Val	Glu	145	150	155
Pro	Thr	Gln	Asp	Ile	Ser	Ile	Ser	Asp	Gln	Leu	Gly	Gly	Gln	Asp	Val	165	170	175
Pro	Val	Phe	Arg	Asn	Leu	Ser	Leu	Leu	Val	Val	Gly	Val	Gly	Ala	Val	180	185	190
Phe	Ser	Leu	Leu	Phe	His	Leu	Gly	Thr	Arg	Glu	Arg	Arg	Arg	Pro	His	195	200	205
Ala	Glu	Glu	Pro	Gly	Glu	His	Thr	Pro	Leu	Leu	Ala	Pro	Ala	Thr	Ala	210	215	220
Gln	Pro	Leu	Leu	Leu	Trp	Lys	His	Trp	Leu	Arg	Glu	Pro	Ala	Phe	Tyr	225	230	235
Gln	Val	Gly	Ile	Leu	Tyr	Met	Thr	Thr	Arg	Leu	Ile	Val	Asn	Leu	Ser	245	250	255
Gln	Thr	Tyr	Met	Ala	Met	Tyr	Leu	Thr	Tyr	Ser	Leu	His	Leu	Pro	Lys	260	265	270
Lys	Phe	Ile	Ala	Thr	Ile	Pro	Leu	Val	Met	Tyr	Leu	Ser	Gly	Phe	Leu	275	280	285
Ser	Ser	Phe	Leu	Met	Lys	Pro	Ile	Asn	Lys	Cys	Ile	Gly	Arg	Asn	Met	290	295	300
Thr	Tyr	Phe	Ser	Gly	Leu	Leu	Val	Ile	Leu	Ala	Phe	Ala	Ala	Trp	Val	305	310	315

Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val Leu
 325 330 335

Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met Thr
 340 345 350

Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Xaa Phe Val Tyr Gly
 355 360 365

Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met Ala
 370 375 380

Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala Cys
 385 390 395 400

Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val Gly
 405 410 415

Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr Arg
 420 425 430

Leu Arg Arg Trp Asp Arg Asp Ala Arg Pro Xaa
 435 440

<210> 148

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 148

Met Ser Arg Phe Ile Leu Asn His Leu Val Leu Ala Ile Pro Leu Arg
 1 5 10 15

Val Leu Val Val Leu Trp Ala Phe Val Leu Gly Leu Ser Arg Val Met
 20 25 30

Leu Gly Arg His Asn Val Thr Asp Val Ala Phe Gly Phe Phe Leu Gly
 35 40 45

Tyr Met Gln Tyr Ser Ile Val Asp Tyr Cys Trp Leu Ser Pro His Asn
 50 55 60

Ala Pro Val Leu Phe Leu Leu Trp Ser Gln Arg Xaa
 65 70 75

<210> 149

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 149

Met	Ala	Gly	Trp	Phe	Arg	Gly	Phe	Phe	Gly	Phe	Leu	Phe	Phe	Phe	Leu
1				5					10					15	

Cys	Leu	Phe	Asn	Leu	Lys	Leu	Phe	Lys	Leu	Lys	His	Ser	Gln	Met	Phe
			20					25					30		

Gly	Gly	Lys	His	Pro	Leu	Lys	Met	Gly	Pro	Cys	Ala	Cys	Leu	Leu	Gly
		35					40					45			

Arg	Arg	Ser	Xaa
			50

<210> 150

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 150

Met	Ala	Xaa	Ser	Ser	Arg	Gly	Asn	Ala	Asp	Ser	Ile	Val	Ala	Ser	Leu
1				5					10					15	

Val	Leu	Met	Val	Leu	Tyr	Leu	Ile	Lys	Lys	Arg	Leu	Val	Ala	Cys	Ala
			20					25					30		

Ala	Val	Phe	Tyr	Gly	Phe	Xaa	Val	His	Met	Lys	Ile	Tyr	Pro	Val	Thr
		35					40					45			

Tyr	Ile	Leu	Pro	Ile	Thr	Leu	His	Leu	Leu	Pro	Asp	Arg	Asp	Asn	Asp
	50					55					60				

Lys	Ser	Leu	Arg	Gln	Phe	Arg	Tyr	Thr	Phe	Gln	Ala	Cys	Leu	Tyr	Glu
65					70				75						80

Leu	Leu	Lys	Lys	Leu	Cys	Asn	Arg	Ala	Val	Leu	Leu	Phe	Val	Ala	Val
				85					90					95	

Ala Gly Leu Thr Phe Phe Ala Leu Ser Phe Gly Phe Tyr Tyr Glu Tyr
 100 105 110

Gly Trp Glu Phe Leu Glu His Thr Tyr Phe Tyr His Leu Thr Arg Arg
 115 120 125

Asp Ile Arg His Asn Phe Ser Pro Tyr Phe Tyr Met Leu Tyr Leu Thr
 130 135 140

Ala Glu Ser Lys Trp Ser Phe Ser Leu Gly Ile Ala Ala Phe Leu Pro
 145 150 155 160

Gln Leu Ile Leu Leu Ser Ala Val Ser Phe Ala Tyr Tyr Arg Asp Leu
 165 170 175

Val Phe Cys Cys Phe Leu His Thr Ser Ile Phe Val Thr Phe Asn Lys
 180 185 190

Val Cys Thr Ser Gln Tyr Phe Leu Trp Val Pro Leu Ala Tyr Cys Leu
 195 200 205

Leu

<210> 151

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (219)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 151

Met Arg Ala Leu Leu Ala Leu Cys Leu Leu Leu Gly Trp Leu Arg Trp
 1 5 10 15

Gly Pro Ala Gly Ala Gln Gln Ser Gly Glu Tyr Cys His Gly Trp Val
 20 25 30

Asp Val Gln Gly Asn Tyr His Glu Gly Phe Gln Cys Pro Glu Asp Phe
 35 40 45

Asp Thr Leu Asp Ala Thr Ile Cys Cys Gly Ser Cys Ala Leu Arg Tyr
 50 55 60

Cys Cys Ala Ala Ala Asp Ala Arg Leu Glu Gln Gly Gly Cys Thr Asn
 65 70 75 80

Asp Arg Arg Glu Leu Glu His Pro Gly Ile Thr Ala Gln Pro Val Tyr
 85 90 95

Val Pro Phe Leu Ile Val Gly Ser Ile Phe Ile Ala Phe Ile Ile Leu
 100 105 110

Gly Ser Val Val Ala Ile Tyr Cys Cys Thr Cys Leu Arg Pro Lys Glu
 115 120 125

Pro Ser Gln Gln Pro Ile Arg Phe Ser Leu Arg Ser Tyr Gln Thr Glu
 130 135 140

Thr Leu Pro Met Ile Leu Thr Ser Thr Ser Pro Arg Ala Pro Ser Arg
 145 150 155 160

Gln Ser Ser Thr Ala Thr Ser Xaa Ser Phe Thr Gly Gly Xaa Ile Arg
 165 170 175

Arg Phe Phe Ser Ala Ile Trp Phe Pro Gly Val Thr Pro Val Phe Arg
 180 185 190

Leu Pro Pro Ser Ala Xaa Ala Pro Thr Gly Trp Glu Glu Leu Ser Arg
 195 200 205

Leu Ser Val Pro Xaa Asp Thr Pro Arg Pro Xaa
 210 215

<210> 152

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 152

Met	Gly	Ala	His	Ser	Phe	Gly	Phe	Gln	Leu	Phe	Met	Ser	Val	Ser	Val
1				5				10					15		

Leu	Trp	Gly	Arg	Leu	Cys	Leu	Tyr	Gly	Arg	Phe	Ser	Val	Ile	Thr	Phe
			20					25					30		

Ala	Ser	Pro	Pro	Thr	Thr	Phe	Met	Xaa	Ile	Gln	Cys	Cys	Ser	His	Cys
		35					40					45			

Ser	Xaa
	50

<210> 153

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 153

Met	His	Ile	His	Leu	Asp	Thr	Ser	Ser	Leu	Lys	Thr	Leu	His	Leu	Gly
1				5					10				15		

Thr	Leu	Phe	Phe	Leu	Phe	Tyr	Leu	Ala	Leu	Thr	Gln	Asn	Glu	Glu	Asn
			20					25					30		

Ile	Cys	Asp	Gly	Lys	Val	Thr	Leu	Xaa
		35					40	

<210> 154

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 154

Met	Pro	Ile	Ile	Val	Leu	Ile	Leu	Val	Ser	Leu	Leu	Ser	Gln	Leu	Met
1				5				10					15		

Val	Ser	Asn	Pro	Pro	Tyr	Ser	Leu	Tyr	Pro	Arg	Ser	Gly	Thr	Gly	Gln
			20					25					30		

Thr	Ile	Lys	Met	Gln	Thr	Glu	Asn	Leu	Gly	Val	Val	Tyr	Tyr	Val	Asn
		35					40					45			
Lys	Asp	Phe	Lys	Asn	Glu	Tyr	Lys	Gly	Met	Leu	Leu	Gln	Lys	Val	Glu
	50					55					60				
Lys	Ser	Val	Glu	Glu	Asp	Tyr	Val	Thr	Asn	Ile	Arg	Asn	Asn	Cys	Trp
65					70					75					80
Lys	Glu	Arg	Gln	Gln	Lys	Thr	Asp	Met	Gln	Tyr	Ala	Ala	Lys	Val	Tyr
				85					90					95	
Arg	Asp	Asp	Arg	Leu	Arg	Arg	Arg	Gln	Met	Pro	Xaa				
			100					105							

<210> 155

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 155

Met Gln Ala Ser Leu Trp Glu Pro Pro Arg Ser Gly Leu Pro Leu Trp
1 5 10 15

Ala Glu Gly Leu Thr Phe Phe Tyr Cys Tyr Met Leu Leu Leu Val Leu
20 25 30

Pro Cys Val Ala Leu Ser Glu Val Ser Met Gln Gly Glu His Ile Ala
35 40 45

Pro Gln Lys Met Met Leu Tyr Pro Val Leu Ser Leu Ala Thr Val Asn
50 55 60

Val Val Ala Val Leu Ala Arg Ala Ala Asn Met Ala Leu Phe Arg Asp
65 70 75 80

Ser Arg Val Ser Ala Ile Phe Val Gly Lys Asn Val Val Ala Leu Ala
85 90 95

Thr Lys Ala Cys Thr Phe Leu Glu Tyr Arg Arg Gln Val Arg Asp Phe
100 105 110

Pro	Pro	Pro	Ala	Leu	Ser	Leu	Glu	Leu	Gln	Pro	Pro	Pro	Pro	Gln	Arg
		115					120					125			

Asn Ser Val Pro Pro Pro Pro Pro Leu His Gly Pro Pro Gly Arg Pro
130 135 140

His Met Ser Ser Pro Thr Arg Asp Pro Leu Asp Thr Xaa
 145 150 155

<210> 156

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 156

Met Gly Tyr Leu Phe Phe Leu Leu Phe Met Ile Cys Trp Met Ile Tyr
 1 5 10 15

Gly Cys Ile Ser Tyr Trp Gly Leu His Cys Glu Thr Thr Tyr Thr Lys
 20 25 30

Asp Gly Phe Trp Thr Tyr Ile Thr Gln Ile Ala Thr Cys Ser Pro Trp
 35 40 45

Met Phe Trp Met Phe Leu Asn Ser Val Phe His Phe Met Trp Val Ala
 50 55 60

Val Leu Leu Met Cys Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr
 65 70 75 80

Thr Asn Glu Arg Met Asn Ala Arg Arg Tyr Lys His Phe Lys Val Thr
 85 90 95

Thr Thr Ser Ile Glu Ser Pro Phe Asn His Gly Cys Val Arg Asn Ile
 100 105 110

Ile Asp Phe Phe Glu Phe Arg Cys Cys Gly Leu Phe Arg Pro Val Ile
 115 120 125

Val Asp Trp Thr Arg Gln Tyr Thr Ile Glu Tyr Asp Gln Ile Ser Gly
 130 135 140

Ser Gly Tyr Gln Leu Val Xaa
 145 150

<210> 157

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 157

Met	Ala	Leu	Thr	Leu	Leu	Leu	Ile	Gln	Ile	Ile	Phe	Leu	Ala	Leu	Gly
1				5					10					15	

Lys	Ile	Ser	Phe	Ile	Phe	Val	Cys	Cys	Lys	Asp	Gly	Phe	Ala	Arg	Ile
			20					25						30	

Ser	His	Asp	Gln	Asp	Lys	Leu	Pro	Ile	Gln	Lys	Pro	Thr	Asp	Thr	Asn
		35					40					45			

Tyr	Ile	Met	Arg	Lys	Lys	Cys	Ile	Gln	Leu	Gly	His	Ile	Ser	Phe	Glu
	50					55					60				

Leu	Phe	Gly	Leu	Lys	Ala	Xaa
65					70	

<210> 158

<211> 490

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 158

Met	Leu	Ala	Leu	Thr	Phe	Met	Phe	Met	Val	Leu	Glu	Val	Val	Val	Ser
1				5					10					15	

Arg	Val	Thr	Ser	Ser	Leu	Ala	Met	Leu	Ser	Asp	Ser	Phe	His	Met	Leu
			20					25					30		

Ser	Asp	Val	Leu	Ala	Leu	Val	Val	Ala	Leu	Val	Ala	Glu	Arg	Phe	Ala
	35						40					45			

Arg	Arg	Thr	His	Ala	Thr	Gln	Lys	Asn	Thr	Phe	Gly	Trp	Ile	Arg	Ala
	50					55					60				

Glu	Val	Met	Gly	Ala	Leu	Val	Asn	Ala	Ile	Phe	Leu	Thr	Gly	Leu	Cys
65					70					75				80	

Phe	Ala	Ile	Leu	Leu	Glu	Ala	Ile	Glu	Arg	Phe	Ile	Glu	Pro	His	Glu
				85				90						95	

Met	Gln	Gln	Pro	Leu	Val	Val	Leu	Gly	Val	Gly	Val	Ala	Gly	Leu	Leu
			100					105					110		

Val	Asn	Val	Leu	Gly	Leu	Cys	Leu	Phe	His	His	His	Ser	Gly	Phe	Ser	115	120	125
Gln	Asp	Ser	Gly	His	Xaa	His	Ser	His	Gly	Gly	His	Gly	His	Gly	His	130	135	140
Gly	Leu	Pro	Lys	Gly	Pro	Arg	Val	Lys	Ser	Thr	Arg	Pro	Gly	Ser	Ser	145	150	155
Asp	Ile	Asn	Val	Ala	Pro	Gly	Glu	Gln	Gly	Pro	Asp	Gln	Glu	Glu	Thr	165	170	175
Asn	Thr	Leu	Val	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Gly	Leu	Lys	Leu	Asp	180	185	190
Pro	Ala	Asp	Pro	Glu	Asn	Pro	Arg	Ser	Gly	Asp	Thr	Val	Glu	Val	Gln	195	200	205
Val	Asn	Gly	Asn	Leu	Val	Arg	Glu	Pro	Asp	His	Met	Glu	Leu	Glu	Glu	210	215	220
Asp	Arg	Ala	Gly	Gln	Leu	Asn	Met	Arg	Gly	Val	Phe	Leu	His	Val	Leu	225	230	235
Gly	Asp	Ala	Leu	Gly	Ser	Val	Ile	Val	Val	Val	Asn	Ala	Leu	Val	Phe	245	250	255
Tyr	Phe	Ser	Trp	Lys	Gly	Cys	Ser	Glu	Gly	Asp	Phe	Cys	Val	Asn	Pro	260	265	270
Cys	Phe	Pro	Asp	Pro	Cys	Lys	Pro	Phe	Val	Glu	Ile	Ile	Asn	Ser	Thr	275	280	285
His	Ala	Ser	Val	Tyr	Glu	Ala	Gly	Pro	Cys	Trp	Val	Leu	Tyr	Leu	Asp	290	295	300
Pro	Thr	Leu	Cys	Val	Val	Met	Val	Cys	Ile	Leu	Leu	Tyr	Thr	Thr	Tyr	305	310	315
Pro	Leu	Leu	Lys	Glu	Ser	Ala	Leu	Ile	Leu	Leu	Gln	Thr	Val	Pro	Lys	325	330	335
Gln	Ile	Asp	Ile	Arg	Asn	Leu	Ile	Lys	Glu	Leu	Arg	Asn	Val	Glu	Gly	340	345	350
Val	Glu	Glu	Val	His	Glu	Leu	His	Val	Trp	Gln	Leu	Ala	Gly	Ser	Arg	355	360	365
Ile	Ile	Ala	Thr	Ala	His	Ile	Lys	Cys	Glu	Asp	Pro	Thr	Ser	Tyr	Met	370	375	380
Glu	Val	Ala	Lys	Xaa	Ile	Lys	Asp	Val	Phe	His	Asn	His	Gly	Ile	His	385	390	395
Ala	Thr	Thr	Ile	Gln	Pro	Glu	Phe	Ala	Ser	Val	Gly	Ser	Lys	Ser	Ser			

				405						410						415
Val	Val	Pro	Cys	Glu	Leu	Ala	Cys	Arg	Thr	Gln	Cys	Ala	Leu	Lys	Gln	
			420					425					430			
Cys	Cys	Gly	Thr	Leu	Pro	Gln	Ala	Pro	Ser	Gly	Lys	Asp	Ala	Glu	Lys	
		435					440					445				
Thr	Pro	Ala	Val	Ser	Ile	Ser	Cys	Leu	Glu	Leu	Ser	Asn	Asn	Leu	Glu	
	450					455					460					
Lys	Lys	Pro	Arg	Arg	Thr	Lys	Ala	Glu	Asn	Ile	Pro	Ala	Val	Val	Ile	
465					470				475						480	
Glu	Ile	Lys	Asn	Met	Pro	Lys	Gln	Thr	Thr							
			485					490								

<210> 159
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 159																
Met	Gln	Pro	Cys	Val	Ile	Ser	Trp	Glu	Gln	Cys	Ser	Phe	Val	Ser	Pro	
1				5				10						15		
Arg	Gly	Pro	His	Val	Tyr	Ile	Cys	Phe	His	Asp	Gln	Arg	Arg	Phe		
			20					25					30			

<210> 160
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 160																
Met	Leu	Gly	Leu	Leu	Gly	Ser	Thr	Ala	Leu	Val	Gly	Trp	Ile	Thr	Gly	
1				5				10						15		
Ala	Ala	Val	Ala	Val	Leu	Leu	Leu	Leu	Leu	Leu	Ala	Thr	Cys	Leu		
			20				25					30				
Phe	His	Gly	Arg	Gln	Asp	Cys	Asp	Val	Glu	Arg	Asn	Arg	Thr	Ala	Ala	
		35				40					45					

Gly Gly Asn Arg Val Arg Arg Ala Gln Pro Trp Pro Phe Arg Arg Arg
 50 55 60
 Gly His Leu Gly Ile Phe His His His Arg His Pro Gly His Val Ser
 65 70 75 80
 His Val Pro Asn Val Gly Leu His His His His His Pro Arg His Xaa
 85 90 95
 Pro His His Xaa His His His His His Pro His Arg His His Pro Arg
 100 105 110
 His Ala Arg
 115

<210> 161
 <211> 380
 <212> PRT
 <213> Homo sapiens

<400> 161
 Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15
 Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 20 25 30
 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45
 Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 50 55 60
 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65 70 75 80
 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 85 90 95
 Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
 100 105 110
 Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
 115 120 125
 Leu Gly Arg Leu His Thr Val His Leu Asp Arg Cys Gly Leu Gln Glu
 130 135 140
 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 145 150 155 160
 Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
 165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
 180 185 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 195 200 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 225 230 235 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 245 250 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300

Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320

Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335

Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 340 345 350

Ala Ser Ala Gly Asn Ala Leu Lys Gly Pro Arg Ala Gly Arg Gly Gln
 355 360 365

Ala Arg Arg Glu Thr Val Phe Gly Pro Arg Glu His
 370 375 380

<210> 162

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 162

Met Arg Leu Cys Val Thr Gly Pro Pro Val Phe Phe Phe Phe Leu Asn
 1 5 10 15

Phe Phe Phe Phe Leu Cys Val Gly Ala Cys Leu Gly Asp Leu Lys Ile
 20 25 30
 Ser Arg Leu Val Tyr Leu Cys Lys Ala Cys Leu Arg Leu Glu Tyr Leu
 35 40 45
 Gly Lys Glu Ser Asp Ser Met Leu Ser Glu Phe Leu Lys Gly Gln Lys
 50 55 60
 Lys Asn Trp Arg Leu Leu Lys Cys Arg Phe Glu Val Ile Phe Leu Lys
 65 70 75 80
 Tyr Tyr Phe Gly Phe Cys Asp Ile Val Lys Asn Xaa
 85 90

<210> 163
 <211> 45
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 163
 Met Lys Lys His Thr Lys Cys Gln Trp Leu Lys Met Thr Ile Leu Phe
 1 5 10 15
 Leu Thr Val Met Lys Ile Gly Tyr Gly Thr Ser Ala Ser Cys Tyr Arg
 20 25 30
 Pro Glu Val Leu Gly Leu Leu Met Pro His Pro Leu Xaa
 35 40 45

<210> 164
 <211> 46
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 164
 Met Ser Cys Gly Cys Cys Phe Ile His Ile Tyr Asn Leu Leu Leu Ser
 1 5 10 15
 Leu Cys Tyr Gly Leu Gly Val Glu Arg Val Lys Phe Phe Thr Phe Ser
 20 25 30
 Ile Leu Lys Lys Glu Thr Met Leu Leu Asn Tyr Leu Phe Xaa

35

40

45

<210> 165

<211> 128

<212> PRT

<213> Homo sapiens

<400> 165

Met	Leu	Ser	Ser	Pro	Ile	Leu	Ala	Ser	Gly	Pro	Ala	Trp	Leu	Ala	Cys
1				5					10					15	

Ser	Phe	Ser	His	Val	Gln	Trp	Trp	Val	Cys	Leu	Ile	Ala	Gln	Val	Gln
			20					25					30		

Phe	Ser	Ala	Ala	Thr	Val	Ser	Pro	Gly	Arg	Ala	Gly	Thr	Gly	Ala	Ala
		35					40					45			

Pro	Ser	Val	Pro	Ala	Val	Trp	Ala	Ala	Glu	Ala	Arg	Gly	Pro	Ser	Val
	50					55					60				

Pro	Ser	Thr	Leu	Gln	Gly	Ser	Pro	Val	Leu	Gln	Arg	Asp	Leu	Ala	Asn
65				70						75					80

Pro	Pro	Pro	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
			85					90						95	

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
			100					105					110		

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Pro
			115					120					125		

<210> 166

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 166

Met	His	Pro	Trp	Arg	Leu	Ser	Met	Cys	Pro	Ala	Cys	Val	Leu	Ala	Ala
1				5					10					15	

Leu	Pro	Ala	Leu	Cys	Ser	Cys	Leu	Cys	Ser	Pro	Asp	Ala	Arg	Pro	Pro
			20					25					30		

His	Gly	Trp	Met	Ser	Met	Pro	Phe	Thr	Pro	His	Pro	Leu	Val	Ser	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35 40 45

Ala Met Pro Thr Cys His Pro Cys Ser Xaa
50 55

<210> 167
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 167

Met Tyr Arg Ala Ile Asp Ser Phe Pro Arg Trp Arg Ser Tyr Phe Tyr
1 5 10 15

Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn Val Phe
20 25 30

Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln Phe Gln
35 40 45

Gln Met Trp Gly Ser Arg Ser Ser Thr Thr Ser Thr Ala Thr Thr Gln
50 55 60

Met Phe His Glu Asp Ala Ala Gly Gly Trp Gln Leu Val Ala Val Gly
65 70 75 80

Cys Gln Gln Ala Pro Gly Thr Arg Pro Ser Leu Pro Pro Gly Ala Val
85 90 95

Gln Xaa

<210> 168
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 168

Met Thr Ser Phe Cys Glu Met Leu Lys Gly Ser Ala Ala Gly Cys Leu
1 5 10 15

Val Leu Leu Ala Phe Ala Phe Tyr Leu Ala Cys Ser Phe Ser His Lys
20 25 30

Thr Lys Ser His Ser His Tyr Ala Leu Phe Ile Leu Gln Asp Tyr Leu
 35 40 45

Leu Gly Asn Phe Tyr Tyr Ile Pro Leu Ser Pro Xaa
 50 55 60

<210> 169

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 169

Met Ser Val Ala His Met His Ala Cys Val Phe Leu Cys Ala Cys Val
 1 5 10 15

Phe Cys Leu Ala Glu Asn Ala Leu Glu Ser Val Ile Ile Leu Cys Tyr
 20 25 30

Ser Tyr Asn Lys Asp Glu Val Arg Glu His Xaa
 35 40

<210> 170

<211> 54

<212> PRT

<213> Homo sapiens

<400> 170

Met Lys Thr His Leu Leu Met Phe Leu Leu Ser Cys Met Ala Arg Cys
 1 5 10 15

Thr Gly Ile Val Pro Lys Arg Pro Gln Pro Ala Phe Pro Leu Arg Gly
 20 25 30

Arg Arg Arg Lys Asn Ser Phe Leu Phe Leu Leu Ser Phe Ser Ile Glu
 35 40 45

Phe Leu Leu Cys Val Trp
 50

<210> 171

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 171

Met Cys Lys Ala Val Cys Lys His Arg Leu Xaa Leu Phe Ala Val Ser
1 5 10 15

Ser Phe Ser Leu Gly Leu Gly Trp Val Cys Val Leu Val Leu Met Leu
20 25 30

Trp Pro Val Arg Leu Ser Leu Ala Pro Arg Pro Val Gln Leu Gln Gln
35 40 45

Arg Arg Ser His Cys
50

<210> 172

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 172

Met Phe Thr Ala Pro Leu Phe Phe Phe Phe Phe Phe Glu Ile Ile Asn
1 5 10 15

Ser Met Arg Asn Leu Gly Leu Asn Ile Cys Leu Leu Cys Leu Leu Ile
20 25 30

Glu His His Ser Arg Pro Ser Val Cys Leu Pro Phe Thr Pro Lys Ile
35 40 45

Leu Thr Lys Lys Phe Xaa
50

<210> 173

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 173

Met Leu Cys Phe Leu Pro Ile Pro Leu Leu Ser Ile Leu Ser Pro Gln
1 5 10 15

Thr Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe
 20 25 30

Leu Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
 35 40 45

Xaa

<210> 174

<211> 224

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>-

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 174

Met Val Leu Val Ala Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser
 1 5 10 15

Arg Arg Asp Phe Ala Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val
 20 25 30

Asp Val Leu Thr Gln Ile Gly Arg Ser Val Arg Gly Thr Leu Asp Ala
 35 40 45

Trp Ile Gly Pro Glu Thr Met His Leu Val Ser Glu Ser Ser Ser Gln
 50 55 60

Val Leu Trp Ala Ile Ser Ser Ala Ile Ser Val Ala Phe Phe Ala Leu
 65 70 75 80

Ser Gly Ile Ala Ala Gln Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp
 85 90 95

Tyr Leu Ala Gln Gly Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe
 100 105 110

Leu Leu Trp Gly Ala Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu
 115 120 125

Leu Leu Gly Leu Val Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu
 130 135 140

Lys Leu Val Ile Phe Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val
 145 150 155 160

Pro	Asp	Pro	Ser	Thr	Arg	Ala	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Ile	Leu
				165					170					175	
Tyr	Ala	Leu	Leu	Ser	Arg	Xaa	Thr	Gly	Ser	Arg	Ala	Ser	Gly	Ala	Gln
			180					185					190		
Leu	Glu	Ala	Lys	Val	Arg	Gly	Leu	Glu	Arg	Gln	Val	Glu	Glu	Leu	Arg
		195					200					205			
Trp	Arg	Gln	Arg	Gln	Xaa	Ala	Lys	Gly	Ala	Arg	Ser	Val	Glu	Glu	Glu
	210					215					220				

<210> 175
 <211> 201
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 175

Met	Leu	Gln	Arg	Met	Leu	Ile	Asp	Val	Xaa	Xaa	Phe	Leu	Phe	Leu	Phe
1				5					10					15	

Ala	Val	Trp	Met	Val	Ala	Phe	Gly	Val	Ala	Xaa	Gln	Gly	Ile	Leu	Arg
			20					25					30		

Gln	Asn	Glu	Gln	Arg	Trp	Arg	Trp	Ile	Phe	Arg	Ser	Val	Ile	Tyr	Glu
		35					40					45			

Pro	Xaa	Leu	Ala	Met	Phe	Gly	Gln	Val	Pro	Ser	Xaa	Val	Asp	Gly	Thr
	50					55					60				

Thr	Tyr	Asp	Phe	Ala	His	Cys	Thr	Phe	Thr	Gly	Asn	Glu	Ser	Lys	Pro
65					70					75					80

Leu	Cys	Val	Xaa	Leu	Asp	Glu	His	Asn	Leu	Pro	Arg	Phe	Pro	Glu	Trp
				85					90					95	

Ile	Thr	Ile	Pro	Leu	Val	Cys	Ile	Tyr	Met	Leu	Ser	Thr	Asn	Ile	Leu
			100					105					110		

Leu	Val	Asn	Leu	Leu	Val	Ala	Met	Phe	Gly	Tyr	Thr	Val	Gly	Thr	Val
		115				120						125			

Gln	Glu	Asn	Asn	Asp	Gln	Val	Trp	Lys	Phe	Gln	Arg	Tyr	Phe	Leu	Val
	130					135					140				

Gln	Glu	Tyr	Cys	Ser	Arg	Leu	Asn	Ile	Pro	Phe	Pro	Phe	Ile	Val	Phe
145					150					155					160

Ala	Tyr	Phe	Tyr	Met	Val	Val	Lys	Lys	Cys	Phe	Lys	Cys	Cys	Cys	Lys
				165					170					175	

Glu	Xaa	Asn	Xaa	Glu	Ser	Ser	Val	Cys	Cys	Ser	Lys	Met	Xaa	Thr	Met
			180					185					190		

Arg Leu Trp His Gly Arg Val Ser Xaa

195

200

<210> 176

<211> 93

<212> PRT

<213> Homo sapiens

<400> 176

Met	Pro	Arg	Ala	Thr	Leu	Trp	Gly	His	Leu	Ser	Pro	Ala	Trp	Val	Leu
1				5					10					15	

Val	Pro	Trp	Thr	Pro	Arg	Ala	Cys	Gly	Gln	Ala	Ala	Pro	Gly	Arg	Gly
			20					25					30		

His	Val	Ala	Ser	Asp	His	Lys	Ser	Gly	Leu	Pro	Trp	Pro	Lys	His	Cys
		35					40					45			

Ser	Cys	Leu	His	Pro	Arg	Ala	Ser	Gln	Pro	Cys	Leu	Phe	Ser	Leu	Asn
	50					55					60				

Ser	Asn	Arg	Thr	Val	Phe	Thr	Ala	Ile	Gln	Arg	Val	Ala	Leu	Gly	Trp
65					70					75					80

Thr	Phe	Trp	Val	Gln	Ala	Asn	Leu	Val	Pro	Arg	Cys	Thr
			85						90			

<210> 177

<211> 404

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (236)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (239)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (309)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (335)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 177

Met	His	Pro	Ile	Pro	Ser	Ser	Phe	Met	Ile	Lys	Ala	Val	Ser	Ser	Phe	1	5	10	15
Leu	Thr	Ala	Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe	Met	20	25	30	
Lys	Val	Leu	Gln	Ala	Arg	Lys	Asn	Xaa	Thr	Ser	Thr	Glu	Leu	Ile	Val	35	40	45	
Glu	Pro	Glu	Glu	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly	Phe	50	55	60	
Gly	Ser	Glu	Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Xaa	Ile	Ser	Thr	65	70	75	80
Leu	Ser	Tyr	Ile	Leu	Pro	Tyr	Phe	Ser	Ala	Val	Asn	Leu	Asp	Val	Xaa	85	90	95	
Ser	Xaa	Leu	Leu	Pro	Phe	Ile	Lys	Leu	Pro	Thr	Xaa	Gly	Asn	Ser	Leu	100	105	110	
Ala	Lys	Ile	Gln	Thr	Val	Gly	Gln	Asn	Xaa	Gln	Xaa	Val	Xaa	Arg	Val	115	120	125	
Leu	Met	Gly	Pro	Arg	Ser	Ile	Gln	Lys	Arg	His	Phe	Lys	Glu	Val	Gly	130	135	140	
Arg	Gln	Ser	Ile	Arg	Arg	Glu	Gln	Gly	Ala	Gln	Ala	Ser	Val	Glu	Asn	145	150	155	160
Ala	Ala	Glu	Glu	Lys	Arg	Leu	Gly	Ser	Pro	Ala	Pro	Arg	Glu	Xaa	Glu	165	170	175	
Gln	Pro	His	Thr	Gln	Gln	Gly	Pro	Glu	Lys	Leu	Ala	Gly	Asn	Ala	Xaa	180	185	190	
Tyr	Thr	Lys	Pro	Ser	Phe	Thr	Gln	Glu	His	Lys	Ala	Ala	Val	Ser	Val	195	200	205	
Leu	Xaa	Pro	Phe	Ser	Lys	Gly	Ala	Pro	Ser	Thr	Ser	Ser	Pro	Ala	Lys	210	215	220	
Ala	Leu	Pro	Gln	Val	Arg	Asp	Arg	Trp	Lys	Asp	Xaa	Thr	His	Xaa	Ile	225	230	235	240
Ser	Ile	Leu	Glu	Ser	Ala	Lys	Ala	Arg	Val	Thr	Asn	Met	Lys	Ala	Ser	245	250	255	
Lys	Pro	Ile	Ser	His	Ser	Arg	Lys	Lys	Tyr	Arg	Phe	His	Lys	Thr	Arg	260	265	270	

Ser Arg Met Thr His Arg Thr Pro Lys Val Lys Lys Ser Pro Lys Phe
 275 280 285

Arg Lys Lys Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro
 290 295 300

Phe Ser Ala Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe
 305 310 315 320

Ser Ser Leu Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val
 325 330 335

Ser Ala Pro Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr
 340 345 350

Thr Ala Arg Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn
 355 360 365

Met Pro Glu Val Thr Ile Ser Glu Asn Thr Asn Tyr Asn His Pro Pro
 370 375 380

Glu Ala Asp Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys
 385 390 395 400

Gln Thr Glu Thr

<210> 178

<211> 387

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 178

Met Gly Ala Phe Leu Asp Lys Pro Lys Thr Glu Lys His Asn Ala His
 1 5 10 15

Gly Ala Gly Asn Gly Leu Arg Tyr Gly Leu Ser Ser Met Gln Gly Trp
 20 25 30

Arg Val Glu Met Glu Asp Ala His Thr Ala Val Val Gly Ile Pro His
 35 40 45

Gly Leu Glu Asp Trp Ser Phe Phe Ala Val Tyr Asp Gly His Ala Gly
 50 55 60

Ser	Arg	Val	Ala	Asn	Tyr	Cys	Ser	Thr	His	Leu	Leu	Glu	His	Ile	Thr	65	70	75	80
Thr	Asn	Glu	Asp	Phe	Arg	Ala	Ala	Gly	Lys	Ser	Gly	Ser	Ala	Leu	Glu	85	90	95	
Leu	Ser	Val	Glu	Asn	Val	Lys	Asn	Gly	Ile	Arg	Thr	Gly	Phe	Leu	Lys	100	105	110	
Ile	Asp	Glu	Tyr	Met	Arg	Asn	Phe	Ser	Asp	Leu	Arg	Asn	Gly	Met	Asp	115	120	125	
Arg	Ser	Gly	Ser	Thr	Ala	Val	Gly	Val	Met	Ile	Ser	Pro	Lys	His	Ile	130	135	140	
Tyr	Phe	Ile	Asn	Cys	Gly	Asp	Ser	Arg	Ala	Val	Leu	Tyr	Arg	Asn	Gly	145	150	155	160
Gln	Val	Cys	Phe	Ser	Thr	Gln	Asp	His	Lys	Pro	Cys	Asn	Pro	Arg	Glu	165	170	175	
Lys	Glu	Arg	Ile	Gln	Asn	Ala	Gly	Gly	Ser	Val	Met	Ile	Gln	Arg	Val	180	185	190	
Asn	Gly	Ser	Leu	Ala	Val	Ser	Arg	Ala	Leu	Gly	Asp	Tyr	Asp	Tyr	Lys	195	200	205	
Cys	Val	Asp	Gly	Lys	Gly	Pro	Thr	Glu	Gln	Leu	Val	Ser	Pro	Glu	Pro	210	215	220	
Glu	Val	Tyr	Xaa	Ile	Leu	Arg	Ala	Glu	Glu	Asp	Glu	Phe	Ile	Ile	Leu	225	230	235	240
Ala	Cys	Asp	Gly	Ile	Trp	Asp	Val	Met	Ser	Asn	Glu	Glu	Leu	Cys	Glu	245	250	255	
Tyr	Val	Lys	Ser	Arg	Leu	Glu	Val	Ser	Asp	Asp	Leu	Glu	Asn	Val	Cys	260	265	270	
Asn	Trp	Val	Val	Asp	Thr	Cys	Leu	His	Lys	Gly	Ser	Arg	Asp	Asn	Met	275	280	285	
Ser	Ile	Val	Leu	Val	Cys	Phe	Ser	Asn	Ala	Pro	Lys	Val	Ser	Asp	Glu	290	295	300	
Ala	Val	Lys	Lys	Asp	Ser	Glu	Leu	Asp	Lys	His	Leu	Glu	Ser	Arg	Val	305	310	315	320
Glu	Glu	Ile	Met	Glu	Lys	Ser	Gly	Glu	Glu	Gly	Met	Pro	Asp	Leu	Ala	325	330	335	
His	Val	Met	Arg	Ile	Leu	Ser	Ala	Glu	Asn	Ile	Pro	Asn	Leu	Pro	Pro	340	345	350	

Gly Gly Gly Leu Ala Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser
 355 360 365

Arg Leu Asn Pro His Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu
 370 375 380

Asp Pro Trp
 385

<210> 179

<211> 145

<212> PRT

<213> Homo sapiens

<400> 179

Met Ala Phe Phe Thr Gly Leu Trp Gly Pro Phe Thr Cys Val Ser Arg
 1 5 10 15

Val Leu Ser His His Cys Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile
 20 25 30

Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly Asn
 35 40 45

Ser Pro Tyr His Arg Ala Pro Arg Cys Ile His Val Tyr Lys Lys Asn
 50 55 60

Gly Val Gly Lys Val Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln
 65 70 75 80

Lys Lys Lys Ala Leu Ile Val Gly His Cys Met Pro Gly Pro Arg Met
 85 90 95

Thr Pro Arg Phe Asp Ser Asn Asn Val Val Leu Ile Glu Asp Asn Gly
 100 105 110

Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg
 115 120 125

Lys Arg Glu Gly Glu Tyr Ser Lys Val Leu Ala Ile Ala Gln Asn Phe
 130 135 140

Val
 145

<210> 180

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 180

Met	Phe	Phe	Ser	Leu	Pro	Gly	Leu	Trp	Gln	Ile	Ala	Ser	Phe	Thr	His
1				5					10					15	

Asn	Leu	Ile	Phe	His	Leu	Trp	Val	Trp	Gly	Ser	Glu	Ser	Gly	Glu	His
			20					25					30		

Leu	Gln	Ser	His	Asn	Asp	Pro	Asp	Thr	Arg	Gln	Gly	Gly	His	Ile	Pro
		35					40					45			

Ile	Arg	Leu	Leu	Gly	Glu	Ser	Ser	Ala	Ser	Val	Pro	Gly	Ser	Ser	Glu
	50					55					60				

Gly	His	Thr	Gly	Gly	Pro	Ala	Pro	Pro	Arg	Val	Gly	Gly	Ser	Ala	Gly
65					70					75					80

Ile	Ile	Arg	Thr	His	Val	Val	Phe	Leu	Val	Ser	Trp	Pro	Leu	Leu	Gln
				85					90					95	

Arg	Glu	Gln	His	Arg	Leu	Ser	Trp	Lys	Leu	Pro	Ser	Val	Met	Trp	Gly
			100					105					110		

Asp	Ser	Arg	Glu	Pro	His	Leu	Ala	Arg	Leu	Asp	Gln	Ser	Lys	Trp	Pro
		115					120					125			

Xaa	Ala	Thr	Xaa	Ala	Xaa	Gln	Tyr	Leu	Gly	Arg	Gly
130						135					140

<210> 181

<211> 127

<212> PRT

<213> Homo sapiens

<400> 181

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1				5					10					15	

Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
			20					25					30		

Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
 115 120 125

<210> 182

<211> 146

<212> PRT

<213> Homo sapiens

<400> 182

Met Gln Gln Ser Arg Leu Leu Leu Pro Phe Leu Phe Phe Leu Leu Glu
 1 5 10 15

Gly Cys Ala Pro Ser Ser Leu Gly Pro Gly Ala Ala Pro Gly Ser Gly
 20 25 30

His Ser Leu Gly Pro Pro Gly Ser Pro Gly Ala Pro Gly Pro Gln Pro
 35 40 45

Ala Val Gly Pro Ser Ser Pro Cys Gln Pro Gly Pro Ser Pro Ser Ser
 50 55 60

Pro Ala Ala Ala Ala Ala Ser Ser Gln Ser Ser Val Ala Ser Trp Pro
 65 70 75 80

Cys Thr Leu Arg Cys Ala Ala Pro Ser Pro Asp Ala Ser Ala Leu Arg
 85 90 95

Pro Ala Ala Ser Pro Ala Ala Thr Pro Ala Trp Ser Pro Gly Ser Gly
 100 105 110

Thr Ile Arg Val Leu Arg Pro Pro Ala Pro Ala Ala Ala Pro Ala Thr
 115 120 125

Ala Ile Thr Asn Arg Gly Pro Pro Arg Arg Arg Arg Arg Asn Ala Arg
 130 135 140

Thr Ala
 145

<210> 183

<211> 68
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
 1 5 10 15
 Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
 20 25 30
 Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
 35 40 45
 Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile
 50 55 60
 Pro Ser Phe Tyr
 65

<210> 184
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp Val Tyr Val Leu Pro
 1 5 10 15
 Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu Leu Glu Leu Phe Pro
 20 25 30
 Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile Leu Leu Tyr Leu His
 35 40 45
 Phe Gly Phe
 50

<210> 185
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 185
 Met Gly Met Pro Leu Val Thr Val Thr Ala Ala Thr Phe Pro Thr Leu
 1 5 10 15
 Ser Cys Pro Pro Arg Ala Trp Pro Glu Val Glu Ala Pro Glu Ala Pro

Phe Ser Ser Asn Gln Ile Phe Leu Val Cys Glu His Glu Leu Glu

[illegible]

<210> 188
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Tyr Leu Glu Val Ala Val Arg Pro Phe Leu Ile Ile Val Ala Phe
 1 5 10 15
 Leu Gly Leu Ser Phe Leu Ala Leu Gln Met Pro Phe Trp Gln Gly Ser
 20 25 30
 Ala Val Gly His Leu Arg Ala Gly Gly Ala Gly Val Ala His Leu Ser
 35 40 45
 Gln Ala Gly Ile Ile Gln Ala Pro Val His Ser Gly Arg Glu Gly Gln
 50 55 60
 Pro Pro Pro Gly
 65

<210> 189
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 189
 Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15
 Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Gly Asn Leu
 50 55 60
 Leu Arg Gly Ile Asp Ser Leu Phe Ser Ala Pro Met Asp Phe Arg Gly
 65 70 75 80
 Leu Pro Gly Asn Tyr His Lys Glu Glu Asn Gln Glu His Gln Leu Gly
 85 90 95

Asn Asn Thr Xaa Ser Ser Xaa Leu Gln Ile Asp Lys Val Pro Arg Met
 100 105 110
 Glu Glu Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr Asp Ser Phe
 115 120 125
 His Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro
 130 135 140
 Arg Arg Arg Ser His Gln Asp Ala Leu Glu Gly Gly His Trp Leu Ser
 145 150 155 160
 Glu Lys Arg His Arg Leu Gln Ala Ile Arg Asp Gly Leu Arg Lys Gly
 165 170 175
 Thr His Lys Asp Val Leu Glu Glu Gly Thr Glu Ser Ser Ser His Ser
 180 185 190
 Arg Leu Ser Pro Arg Lys Thr His Leu Leu Tyr Ile Leu Arg Pro Ser
 195 200 205
 Arg Gln Leu
 210

<210> 190
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 190
 Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60
 Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 191
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 191

Met Glu Leu Met Ala Leu Phe Phe Arg Thr Thr Thr Val Ala Ala Met
 1 5 10 15

Ala Ser Arg Gly Ala Leu Ala Leu Phe Leu Arg Lys Ile Leu Ser Glu
 20 25 30

Ala Lys Phe Lys Leu Ser Leu Thr Pro Gln Pro Pro Gln Pro Phe Tyr
 35 40 45

Ile Tyr Met Ala Tyr Tyr Ser Glu Asn Phe Phe Leu Lys Phe
 50 55 60

<210> 192

<211> 295

<212> PRT

<213> Homo sapiens

<400> 192

Met Leu Cys Cys Trp Phe Pro Trp Arg Ile Leu Ala Ala Gly Gln Val
 1 5 10 15

Pro Tyr Ser Pro His Ser Pro Gln Val Ala Gly Cys Asp Leu Thr Arg
 20 25 30

Cys Glu Ser Gly Gly Ala Arg Ala Leu Ser Ile Gln Arg Ala Ala Leu
 35 40 45

Val Val Leu Glu Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn
 50 55 60

Leu Leu Thr Ala Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu
 65 70 75 80

Lys Val Tyr Asn Val Asp Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser
 85 90 95

Arg Ala Met Ile Ala Ala Ala Ala Arg Arg Arg Asp Ser Ser His Asn
 100 105 110

Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu Arg Arg Val Lys Lys Arg
 115 120 125

Lys Ala Arg Leu Val Val Ala Val Glu Glu Ala Phe Ile His Ile Gln
 130 135 140

Arg Leu Gln Ala Glu Glu Gln Gln Lys Ala Pro Gly Glu Val Met Asp
 145 150 155 160

Pro Arg Glu Ala Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu
 165 170 175

Gln Lys Tyr Leu Arg Ile Thr Arg Gln Gln Asn Tyr His Ser Met Glu

180					185					190					
Ser	Ile	Leu	Gln	His	Leu	Ala	Phe	Cys	Ile	Thr	Asn	Gly	Met	Thr	Pro
		195					200					205			
Lys	Ala	Phe	Leu	Glu	Arg	Tyr	Leu	Ser	Ala	Gly	Pro	Thr	Leu	Gln	Tyr
	210					215					220				
Asp	Lys	Asp	Arg	Trp	Leu	Ser	Thr	Gln	Trp	Arg	Leu	Val	Ser	Asp	Glu
225					230					235					240
Ala	Val	Thr	Asn	Gly	Leu	Arg	Asp	Gly	Ile	Val	Phe	Val	Leu	Lys	Cys
				245					250					255	
Leu	Asp	Phe	Ser	Leu	Val	Val	Asn	Val	Lys	Lys	Ile	Pro	Phe	Ile	Ile
			260					265					270		
Leu	Ser	Glu	Glu	Phe	Ile	Asp	Pro	Lys	Ser	His	Lys	Phe	Val	Leu	Arg
		275					280					285			
Leu	Gln	Ser	Glu	Thr	Ser	Val									
	290					295									

<210> 193

<211> 295

<212> PRT

<213> Homo sapiens

<400> 193

Met	Gly	Leu	Pro	Val	Ser	Trp	Ala	Pro	Pro	Ala	Leu	Trp	Val	Leu	Gly
1				5					10					15	
Cys	Cys	Ala	Leu	Leu	Leu	Ser	Leu	Trp	Ala	Leu	Cys	Thr	Ala	Cys	Arg
		20						25					30		
Arg	Pro	Glu	Asp	Ala	Val	Ala	Pro	Arg	Lys	Arg	Ala	Arg	Arg	Gln	Arg
		35					40					45			
Ala	Arg	Leu	Gln	Gly	Ser	Ala	Thr	Ala	Ala	Glu	Ala	Ser	Leu	Leu	Arg
	50					55					60				
Arg	Thr	His	Leu	Cys	Ser	Leu	Ser	Lys	Ser	Asp	Thr	Arg	Leu	His	Glu
65				70						75					80
Leu	His	Arg	Gly	Pro	Arg	Ser	Ser	Arg	Ala	Leu	Arg	Pro	Ala	Ser	Met
			85						90					95	
Asp	Leu	Leu	Arg	Pro	His	Trp	Leu	Glu	Val	Ser	Arg	Asp	Ile	Thr	Gly
			100					105					110		
Pro	Gln	Ala	Ala	Pro	Ser	Ala	Phe	Pro	His	Gln	Glu	Leu	Pro	Arg	Ala
		115					120					125			
Leu	Pro	Ala	Ala	Ala	Ala	Thr	Ala	Gly	Cys	Ala	Gly	Leu	Glu	Ala	Thr

130	135	140
Tyr Ser Asn Val Gly Leu Ala Ala Leu Pro Gly Val Ser Leu Ala Ala		
145	150	155 160
Ser Pro Val Val Ala Glu Tyr Ala Arg Val Gln Lys Arg Lys Gly Thr		
	165	170 175
His Arg Ser Pro Gln Glu Pro Gln Gln Gly Lys Thr Glu Val Thr Pro		
	180	185 190
Ala Ala Gln Val Asp Val Leu Tyr Ser Arg Val Cys Lys Pro Lys Arg		
	195	200 205
Arg Asp Pro Gly Pro Thr Thr Asp Pro Leu Asp Pro Lys Gly Gln Gly		
	210	215 220
Ala Ile Leu Ala Leu Ala Gly Asp Leu Ala Tyr Gln Thr Leu Pro Leu		
	225	230 235 240
Arg Ala Leu Asp Val Asp Ser Gly Pro Leu Glu Asn Val Tyr Glu Ser		
	245	250 255
Ile Arg Glu Leu Gly Asp Pro Ala Gly Arg Ser Ser Thr Cys Gly Ala		
	260	265 270
Gly Thr Pro Pro Ala Ser Ser Cys Pro Ser Leu Gly Arg Gly Trp Arg		
	275	280 285
Pro Leu Pro Ala Ser Leu Pro		
	290	295

<210> 194

<211> 338

<212> PRT

<213> Homo sapiens

<400> 194

Met Met Arg Thr Cys Val Leu Leu Ser Ala Val Leu Trp Cys Leu Thr		
1	5	10 15
Gly Val Gln Cys Pro Arg Phe Thr Leu Phe Asn Lys Lys Gly Phe Ile		
	20	25 30
Tyr Gly Lys Thr Gly Gln Pro Asp Lys Ile Tyr Val Glu Leu His Gln		
	35	40 45
Asn Ser Pro Val Leu Ile Cys Met Asp Phe Lys Leu Ser Lys Lys Glu		
	50	55 60
Ile Val Asp Pro Thr Tyr Leu Trp Ile Gly Pro Asn Glu Lys Thr Leu		
	65	70 75 80
Thr Gly Asn Asn Arg Ile Asn Ile Thr Glu Thr Gly Gln Leu Met Val		

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<210> 195
<211> 78
<212> PRT
<213> Homo sapiens
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<400> 195

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Met Gln Gln Arg Gly Ala Ala Gly Ser Arg Gly Cys Ala Leu Phe Pro
 1           5           10           15

Leu Leu Gly Val Leu Phe Phe Gln Val Ser Ala Pro Ala Gly Tyr Ala
      20           25           30

Pro Leu Pro Ala Gly Gly Leu Gly Lys Met Val Ala Phe Pro Val Pro
      35           40           45

Gly Arg Gly Val Ser Arg Lys Pro Pro His Ser Ser Gly Lys Glu Gly
      50           55           60

Gly Arg Glu Arg Asp Val Gly Thr Met Ser Ser Pro Pro Arg
      65           70           75

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<210> 196

<211> 181

<212> PRT

<213> Homo sapiens

<400> 196

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Met Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly
 1           5           10           15

Ile Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser
      20           25           30

Arg Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile
      35           40           45

Pro Gly Ile Ile Gly Gly Ile Val Gly Ala Val Thr Ala Ala Ser Ala
      50           55           60

Ser Leu Glu Val Tyr Gly Lys Glu Gly Leu Val His Ser Phe Asp Phe
      65           70           75           80

Gln Gly Phe Asn Gly Asp Trp Thr Ala Arg Thr Gln Gly Lys Phe Gln
      85           90           95

Ile Tyr Gly Leu Leu Val Thr Leu Ala Met Ala Leu Met Gly Gly Ile
      100          105          110

Ile Val Gly Leu Ile Leu Arg Leu Pro Phe Trp Gly Gln Pro Ser Asp
      115          120          125

Glu Asn Cys Phe Glu Asp Ala Val Tyr Trp Glu Met Pro Glu Gly Asn
      130          135          140

Ser Thr Val Tyr Ile Pro Glu Asp Pro Thr Phe Lys Pro Ser Gly Pro
      145          150          155          160

Ser Val Pro Ser Val Pro Met Val Ser Pro Leu Pro Met Ala Ser Ser

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	165		170		175
Val	Pro	Leu	Val	Pro	
	180				

<210> 197
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 197
 Met Leu Ser Leu Asp Phe Leu Asp Asp Val Arg Arg Met Asn Lys Arg
 1 5 10 15
 Gln Val Ser Leu Ser Val Leu Phe Phe Ser Trp Leu Phe Leu Ser Leu
 20 25 30
 Arg Gly Cys Cys Cys Gly Ala Arg Arg Thr Pro Gly Phe Trp Cys Glu
 35 40 45
 Gly Leu Ser Trp Ser Asp Thr Arg Val Ile Arg Phe Leu Trp Arg Leu
 50 55 60
 Trp Pro Glu Ala Ala Leu Ser Ala Ser Leu Phe Leu Thr Pro Asn
 65 70 75

<210> 198
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Glu Pro Arg Ser Phe Leu Leu Pro Glu Leu Gly Gly Arg Val Ser
 1 5 10 15
 His Ile Pro Leu Gly Leu Thr Leu Val Phe Ala Cys Phe Leu Met Val
 20 25 30
 Arg Glu Thr Ala Gly Gly Phe Ser Phe Arg Ala Gly Asp Leu Glu Glu
 35 40 45
 Ile Ser Arg Lys Arg Thr Asn Val Leu Gly Ser Leu Arg Gly Thr Glu
 50 55 60
 Leu Ile Gly Tyr Ile
 65

<210> 199
 <211> 271
 <212> PRT
 <213> Homo sapiens

<400> 199

Met	Thr	Gln	Gly	Lys	Leu	Ser	Val	Ala	Asn	Lys	Ala	Pro	Gly	Thr	Glu
1				5					10					15	
Gly	Gln	Gln	Gln	Val	His	Gly	Glu	Lys	Lys	Glu	Ala	Pro	Ala	Val	Pro
			20					25					30		
Ser	Ala	Pro	Pro	Ser	Tyr	Glu	Glu	Ala	Thr	Ser	Gly	Glu	Gly	Met	Lys
		35					40					45			
Ala	Gly	Ala	Phe	Pro	Pro	Ala	Pro	Thr	Ala	Val	Pro	Leu	His	Pro	Ser
	50					55					60				
Trp	Ala	Tyr	Val	Asp	Pro	Ser	Ser	Ser	Ser	Ser	Tyr	Asp	Asn	Gly	Phe
65					70					75					80
Pro	Thr	Gly	Asp	His	Glu	Leu	Phe	Thr	Thr	Phe	Ser	Trp	Asp	Asp	Gln
				85					90					95	
Lys	Val	Arg	Arg	Val	Phe	Val	Arg	Lys	Val	Tyr	Thr	Ile	Leu	Leu	Ile
			100					105					110		
Gln	Leu	Leu	Val	Thr	Leu	Ala	Val	Val	Ala	Leu	Phe	Thr	Phe	Cys	Asp
		115					120						125		
Pro	Val	Lys	Asp	Tyr	Val	Gln	Ala	Asn	Pro	Gly	Trp	Tyr	Trp	Ala	Ser
	130					135					140				
Tyr	Ala	Val	Phe	Phe	Ala	Thr	Tyr	Leu	Thr	Leu	Ala	Cys	Cys	Ser	Gly
145					150					155					160
Pro	Arg	Arg	His	Phe	Pro	Trp	Glu	Pro	Asp	Ser	Pro	Asp	Arg	Leu	Tyr
			165						170					175	
Pro	Val	His	Gly	Leu	Pro	His	Trp	Asp	Ala	Val	Gln	Leu	Leu	Gln	His
			180					185					190		
His	Leu	Arg	Ala	Ala	Val	Pro	Gly	His	His	Gly	Pro	Cys	Leu	Pro	Leu
	195						200					205			
Ser	His	Arg	Leu	Gln	Leu	Pro	Asp	Gln	Val	Arg	Leu	His	Leu	Leu	Pro
	210					215					220				
Gly	Arg	Ala	Leu	Arg	Ala	Ser	His	Asp	Ser	Phe	Leu	Gln	Arg	Thr	His
225					230					235					240
Pro	Gly	His	Pro	Pro	Thr	Leu	Pro	Ile	Cys	Ala	Leu	Ala	Pro	Cys	Ser
				245					250					255	
Leu	Cys	Ser	Thr	Gly	Ser	Gly	Cys	Ile	Tyr	Ile	Val	Pro	Gly	Thr	
			260				265						270		

<210> 200

<211> 51

<212> PRT

<213> Homo sapiens

<400> 200

Met Lys Cys Thr Ala Val Phe Ala Pro Ser Ala Trp Pro Asn Thr Leu
 1 5 10 15

Ser Leu Leu Val Ser Leu His Thr Val Met Cys Ile Asn Trp His Leu
 20 25 30

Val Ser Ala Ser His Met His Ile Gly Arg Ile Val Ile Leu Glu Gly
 35 40 45

Asp Gly Met
 50

<210> 201

<211> 71

<212> PRT

<213> Homo sapiens

<400> 201

Met Pro Asn Thr Phe His Thr Tyr Arg Pro Ile Leu Leu Leu Leu Leu
 1 5 10 15

Leu Pro Ser Ser Ser His Gln Asn Met Ile Val Ser Leu Pro Gln Asn
 20 25 30

Met Tyr Phe Leu Ile Ala Val Ala Lys Arg Leu Cys Ala Glu Ser Leu
 35 40 45

Ala Ser Asp Pro Ala Pro Cys Asn Leu Ser Ala Leu Gln Ala Lys Pro
 50 55 60

Arg Pro Arg Leu Arg His Tyr
 65 70

<210> 202

<211> 60

<212> PRT

<213> Homo sapiens

<400> 202

Met Leu Tyr Trp Gly Asn Val Ala Leu Val Leu Pro Thr Pro Tyr Leu
 1 5 10 15

His Leu Ser Leu Thr Leu Leu Leu Ser Pro Glu Trp Leu Gly Glu Met
 20 25 30

Gly Arg Gly Leu Pro Trp Pro Gly His Leu Val Ala Ala Trp Leu Asp
 35 40 45

His Ile Ala Asn Glu Leu Gly Arg Gly Ala Ile Phe

50

55

60

<210> 203

<211> 143

<212> PRT

<213> Homo sapiens

<400> 203

Met Lys Trp Glu Arg Gly Ser Pro Met Val Leu Leu Ala Leu Val Tyr
 1 5 10 15

Asp Val Cys Cys Ala Ser Arg Arg Gly Gly Gln Ser His Pro Thr Ser
 20 25 30

Gly Ser Asp Val Leu Pro Leu Pro Val Pro Ala Leu Ala Gln Pro Ala
 35 40 45

Gln Pro Ser Arg Leu Asp Ala Cys Ala Lys Ala Arg Gly Ser Gln Arg
 50 55 60

Ala Ala Gly Trp Pro Arg Ala Gly Ser Arg Leu Gly Pro Ala Val Gly
 65 70 75 80

Arg Ala Ala Ser Pro Ser Ser Leu Gln Thr His Gly Ser Ser Ser Gln
 85 90 95

Ser Ser Arg Gln Leu Pro Gly Pro Glu Met Ser Ser Ser Pro Pro Trp
 100 105 110

Gly Gln Ala Leu Pro Trp Pro Ser Ser Val Asn Pro Ser Phe Leu Cys
 115 120 125

Ala Val Ser Gly Leu Leu Thr Val Val Cys Val Cys Ala Arg Leu
 130 135 140

<210> 204

<211> 148

<212> PRT

<213> Homo sapiens

<400> 204

Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly Tyr Leu Phe Thr
 1 5 10 15

Phe Ser Ala Cys Ala Val Leu Ser Ala Ser Ile Thr Val Trp Gly Leu
 20 25 30

Met Glu Cys Leu Ile His Arg His Gly Ser His Thr Thr Glu His Leu
 35 40 45

Thr Arg Thr Leu Thr Ser Gln Gln Ser Ser Arg Gly His Leu Ser Leu
 50 55 60

Ser His Ser Thr Thr Gln Ser Asn Gln Pro Glu Arg Thr Leu Ala Leu
65 70 75 80

Leu Thr Gly Gly Thr Ala Asp Leu Ser Val Trp Arg Gln His Ser Pro
85 90 95

Lys Met Gly Ala Ile Phe Gln Asp Ala Val Phe Ala Leu Asp Ser Gln
100 105 110

Ala Tyr Leu Trp Gly Ile Val Ser Asn Arg Glu Asn Ile Trp Val Leu
115 120 125

Glu Gln Trp Pro Pro Pro Lys Gly Phe His Ser Cys Gln Glu Thr Pro
130 135 140

Gln Glu Ser His
145

<210> 205

<211> 36

<212> PRT

<213> Homo sapiens

<400> 205

Met Trp Thr Cys Pro Gly Ile Ala Ala Leu Val Leu Met Ile Val Pro
1 5 10 15

Gly Cys Ser Leu Cys Pro Ala Gln Val Val His His Val Gly Gln Arg
20 25 30

Glu Ser Pro Ser
35

<210> 206

<211> 406

<212> PRT

<213> Homo sapiens

<400> 206

Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala
1 5 10 15

Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
20 25 30

Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala His Gly Leu
35 40 45

Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg Thr Arg Ser
50 55 60

Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly Ser Ala Cys
65 70 75 80

Gln	Gly	Thr	Glu	Gly	Ser	Thr	Asp	Leu	Pro	Leu	Ala	Pro	Glu	Ser	Arg	
				85					90					95		
Val	Asp	Pro	Glu	Val	Leu	His	Ser	Leu	Gln	Thr	Gln	Leu	Lys	Ala	Gln	
			100					105					110			
Asn	Ser	Arg	Ile	Gln	Gln	Leu	Phe	His	Lys	Val	Ala	Gln	Gln	Gln	Arg	
		115					120					125				
His	Leu	Glu	Lys	Gln	His	Leu	Arg	Ile	Gln	His	Leu	Gln	Ser	Gln	Phe	
	130						135					140				
Gly	Leu	Leu	Asp	His	Lys	His	Leu	Asp	His	Glu	Val	Ala	Lys	Pro	Ala	
145					150					155					160	
Arg	Arg	Lys	Arg	Leu	Pro	Glu	Met	Ala	Gln	Pro	Val	Asp	Pro	Ala	His	
				165					170					175		
Asn	Val	Ser	Arg	Leu	His	Arg	Leu	Pro	Arg	Asp	Cys	Gln	Glu	Leu	Phe	
			180					185					190			
Gln	Val	Gly	Glu	Arg	Gln	Ser	Gly	Leu	Phe	Glu	Ile	Gln	Pro	Gln	Gly	
		195					200					205				
Ser	Pro	Pro	Phe	Leu	Val	Asn	Cys	Lys	Met	Thr	Ser	Asp	Gly	Gly	Trp	
	210					215					220					
Thr	Val	Ile	Gln	Arg	Arg	His	Asp	Gly	Ser	Val	Asp	Phe	Asn	Arg	Pro	
225					230					235					240	
Trp	Glu	Ala	Tyr	Lys	Ala	Gly	Phe	Gly	Asp	Pro	His	Gly	Glu	Phe	Trp	
				245				250						255		
Leu	Gly	Leu	Glu	Lys	Val	His	Ser	Ile	Thr	Gly	Asp	Arg	Asn	Ser	Arg	
			260					265					270			
Leu	Ala	Val	Gln	Leu	Arg	Asp	Trp	Asp	Gly	Asn	Ala	Glu	Leu	Leu	Gln	
		275					280					285				
Phe	Ser	Val	His	Leu	Gly	Gly	Glu	Asp	Thr	Ala	Tyr	Ser	Leu	Gln	Leu	
	290					295					300					
Thr	Ala	Pro	Val	Ala	Gly	Gln	Leu	Gly	Ala	Thr	Thr	Val	Pro	Pro	Ser	
305					310					315					320	
Gly	Leu	Ser	Val	Pro	Phe	Ser	Thr	Trp	Asp	Gln	Asp	His	Asp	Leu	Arg	
				325					330					335		
Arg	Asp	Lys	Asn	Cys	Ala	Lys	Ser	Leu	Ser	Gly	Gly	Trp	Trp	Phe	Gly	
			340					345					350			
Thr	Cys	Ser	His	Ser	Asn	Leu	Asn	Gly	Gln	Tyr	Phe	Arg	Ser	Ile	Pro	
		355					360					365				

Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys Thr Trp Arg
 370 375 380

Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile Gln Pro Met
 385 390 395 400

Ala Ala Glu Ala Ala Ser
 405

<210> 207

<211> 91

<212> PRT

<213> Homo sapiens

<400> 207

Met Glu Lys Thr Leu Phe Leu Tyr His Tyr Leu Pro Ala Leu Thr Phe
 1 5 10 15

Gln Ile Leu Leu Leu Pro Val Val Leu Gln His Ile Ser Asp His Leu
 20 25 30

Cys Arg Ser Gln Leu Gln Arg Ser Ile Phe Ser Ala Leu Val Val Ala
 35 40 45

Trp Tyr Ser Ser Ala Cys His Val Ser Asn Thr Leu Arg Pro Leu Thr
 50 55 60

Tyr Gly Asp Lys Ser Leu Ser Pro His Glu Leu Lys Ala Leu Arg Trp
 65 70 75 80

Lys Asp Ser Trp Asp Ile Leu Ile Arg Lys His
 85 90

<210> 208

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 208

Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
 1 5 10 15

Leu Ser Val Leu Ala Tyr Xaa Gln Arg Pro Pro Leu Xaa Pro Gly Thr

	20		25		30	
Leu	Leu	Ser	Leu	Leu	Ser	Leu
	35		40		45	
Val	Ala	Met	Gly	Leu	Gly	Asp
	50		55		60	
Ala	Ala	Gln	Arg	Cys	Leu	Gln
	65		70		75	
Ser	Pro	Gly	Pro	Ser	Ile	Ala
			85		90	
Asp	Leu	Asp	Leu	Asn		
			100			

<210> 209
 <211> 50
 <212> PRT
 <213> Homo sapiens

	<400> 209
Met	Ser
1	5
	10
	15
Cys	Gly
	20
	25
	30
Arg	Ile
	35
	40
	45
Ile	Phe
	50

<210> 210
 <211> 161
 <212> PRT
 <213> Homo sapiens

	<400> 210
Met	Thr
1	5
	10
	15
Leu	Leu
	20
	25
	30
Gly	His
	35
	40
	45
Lys	Leu
	50
	55
	60

Val Phe Gln Val Leu Pro Lys Cys Leu Ser Pro Glu Thr Pro Leu Pro
 65 70 75 80
 Ser Val Leu Leu Ala Val Glu Leu Leu Ser Leu Leu Ala Asp His Asp
 85 90 95
 Gln Leu Ala Pro Gln Leu Cys Ser His Ser Glu Gly Cys Leu Leu Leu
 100 105 110
 Leu Leu Tyr Met Tyr Ile Thr Ser Arg Pro Asp Arg Val Ala Leu Glu
 115 120 125
 Thr Gln Trp Leu Gln Leu Glu Gln Glu Val Val Trp Leu Leu Ala Lys
 130 135 140
 Leu Gly Val Gln Glu Pro Leu Ala Pro Ser His Trp Leu Gln Leu Pro
 145 150 155 160
 Val

<210> 211

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 211

Met Leu Gly Leu Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1 5 10 15

Ser Gly Pro Val Cys Phe Gln Gly Arg Gly Pro Ser Glu Val Pro Gln
 20 25 30

Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser Val Leu Gln Gly Gln
 35 40 45

His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln Glu Arg Gly Arg Asp
 50 55 60

Gln His Xaa Leu Pro Ala His Gly Arg Leu His Leu Ser Pro Arg Pro
 65 70 75 80

Glu Pro Gly Cys Arg Pro Ala Cys Ala Ala Pro Gly Gly Gln Pro Gly
 85 90 95

Val Val Ser Gly Leu Pro Ala Leu Gly Gln Pro Arg Glu Ala Ser Ala
 100 105 110
 Pro Cys His Ile Ser Arg Leu Arg Thr Ala Ser Leu Ala Val Val Met
 115 120 125
 Gly Ala Glu Lys Gly Gly Ala Glu Met Arg Pro Trp Pro Ala Val Gln
 130 135 140
 Ala Pro Ala Pro Leu Pro Ser Val Gly Gly Thr Pro Ile Cys Ala Pro
 145 150 155 160
 Gly Cys Gly Ser Lys Asp Thr Val Pro Xaa Leu Gln Pro Ser Val Pro
 165 170 175
 Lys Gly Arg Ala Glu Ser Gly Phe Val Ser Ala Arg Phe Leu Cys Pro
 180 185 190
 His Pro Pro Arg Ser Leu Leu Cys Leu Gly Pro Gly Pro Ser Leu Ser
 195 200 205
 Gly Leu Pro Gly Pro Pro Ile Pro Ala Leu Leu Gln Gly Pro Leu Gly
 210 215 220
 Leu Gly Cys
 225

<210> 212
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Leu Thr Leu Arg Ser Leu Leu Phe Trp Ser Leu Val Tyr Cys Tyr
 1 5 10 15
 Cys Gly Leu Cys Ala Ser Ile His Leu Leu Lys Leu Leu Trp Ser Leu
 20 25 30
 Gly Lys Gly Pro Ala Gln Thr Phe Arg Arg Pro Ala Arg Glu His Pro
 35 40 45
 Pro Ala Cys Leu Ser Asp Pro Ser Leu Gly Thr His Cys Tyr Val Arg
 50 55 60
 Ile Lys Asp Ser Gly Leu Arg Phe His Tyr Val Ala Ala Gly Glu Arg
 65 70 75 80
 Gly Lys Pro Leu Met Leu Leu Leu His Gly Phe Pro Glu Phe Trp Tyr
 85 90 95
 Ser Trp Arg Tyr Gln Leu Arg Glu Phe Lys Ser Glu Tyr Arg Val Val
 100 105 110

Ala	Leu	Asp	Leu	Arg	Gly	Tyr	Gly	Glu	Thr	Asp	Ala	Pro	Ile	His	Arg
	115						120					125			
Gln	Asn	Tyr	Lys	Leu	Asp	Cys	Leu	Ile	Thr	Asp	Ile	Lys	Asp	Ile	Leu
	130					135					140				
Asp	Ser	Leu	Gly	Tyr	Ser	Lys	Cys	Val	Leu	Ile	Gly	His	Asp	Trp	Gly
145					150					155					160
Gly	Met	Ile	Ala	Trp	Leu	Ile	Ala	Ile	Cys	Tyr	Pro	Glu	Met	Val	Met
			165						170					175	
Lys	Leu	Ile	Val	Ile	Asn	Phe	Pro	His	Pro	Asn	Val	Phe	Thr	Glu	Tyr
			180					185						190	
Ile	Leu	Arg	His	Pro	Ala	Gln	Leu	Leu	Lys	Ser	Ser	Tyr	Tyr	Tyr	Phe
	195						200					205			
Phe	Gln	Ile	Pro	Trp	Phe	Pro	Glu	Phe	Met	Phe	Ser	Ile	Asn	Asp	Phe
	210					215					220				
Lys	Val	Leu	Lys	His	Leu	Phe	Thr	Ser	His	Ser	Thr	Gly	Ile	Gly	Arg
225					230					235					240
Lys	Gly	Cys	Gln	Leu	Thr	Thr	Glu	Asp	Leu	Glu	Ala	Tyr	Ile	Tyr	Val
			245						250					255	
Phe	Ser	Gln	Pro	Gly	Ala	Leu	Ser	Gly	Pro	Ile	Asn	His	Tyr	Arg	Asn
		260						265					270		
Ile	Phe	Ser	Cys	Leu	Pro	Leu	Lys	His	His	Met	Val	Thr	Thr	Pro	Thr
		275					280						285		
Leu	Leu	Leu	Trp	Gly	Glu	Asn	Asp	Ala	Phe	Met	Glu	Val	Glu	Met	Ala
	290					295					300				
Glu	Val	Thr	Lys	Ile	Tyr	Val	Lys	Asn	Tyr	Phe	Arg	Leu	Thr	Ile	Leu
305					310					315					320
Ser	Glu	Ala	Ser	His	Trp	Leu	Gln	Gln	Asp	Gln	Pro	Asp	Ile	Val	Asn
			325						330					335	
Lys	Leu	Ile	Trp	Thr	Phe	Leu	Lys	Glu	Glu	Thr	Arg	Lys	Lys	Asp	
		340						345					350		

<210> 213

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213

Met	Gly	His	Leu	Pro	His	Ile	Leu	Ser	Leu	Gly	Leu	Phe	Leu	Thr	Leu
1				5					10					15	

Leu	Met	Phe	Cys	Ile	Thr	Lys	Ser	Asp	Gly	Gln	Asn	Lys	Ile	Tyr	Arg
			20					25					30		

Cys	Phe	Lys	Lys	Ala	Ser	Pro	Gln	Val	Ile	Val	Thr	His	Thr	Lys	Met
		35					40					45			

Arg	Ile	Ala	Ala	Ile	Ile	Cys	Ser	Tyr	Trp	Xaa	Gly	Xaa	Ala	Asn	Leu
	50					55					60				

Gly	Thr	Arg	Ile	Lys	Leu	Gln	Leu	Asn	Ser	Ala	Val	Tyr	Lys	Ile	Phe
65					70					75					80

Val	Ser	Leu	Xaa	Arg	Lys	Arg	Lys	Arg	Thr	Leu	Ser	Trp
				85					90			

<210> 214

<211> 101

<212> PRT

<213> Homo sapiens

<400> 214

Met	Phe	Gln	Gln	Gly	Trp	Ser	Ser	Pro	Leu	Leu	Thr	Pro	Ala	Phe	Thr
1				5					10					15	

Ile	Leu	Pro	Met	Ser	Ser	Leu	Leu	Thr	Ser	Leu	His	Pro	Ala	Pro	Arg
			20					25					30		

Leu	Pro	Thr	Leu	Leu	Ala	Ala	Ser	Ser	Pro	Gln	Leu	Ala	Pro	Leu	Thr
		35					40					45			

Cys	Cys	Phe	Gln	Tyr	Pro	Phe	Leu	Leu	Ser	Ala	Ser	Ser	Leu	Gly	Asp
	50					55					60				

Ile	His	Pro	Ser	Ser	Arg	Asp	Phe	Ser	Cys	His	Ile	Asn	Ser	Asn	Val
65					70					75					80

Ser	Glu	Leu	Tyr	Phe	Leu	Pro	Pro	Thr	Ser	Val	Ser	Leu	Asn	Val	Arg
				85					90					95	

Ile Phe Tyr Phe Gln
100

<210> 215

<211> 98

<212> PRT

<213> Homo sapiens

<400> 215

Met Gly Trp Leu Gly Arg Thr Cys Leu Ala His Ser His Leu Asp Phe
1 5 10 15

Ile Ser Gly Ala Leu Leu Leu Thr Phe Ala Tyr Phe Leu Val Phe Gln
20 25 30

Val Cys Pro Val Ile Asn Lys Trp Leu Tyr Asn Leu Asp Gln His Val
35 40 45

Val Lys Glu Leu Ile Ser Lys Cys Trp Arg Trp Glu Gly Thr Gly Thr
50 55 60

Leu Gln Lys Lys Ala Gln Asn Pro Pro Ser Pro Phe Val Phe His Phe
65 70 75 80

Pro Leu Pro His Ser Gly Thr Ser Pro Arg Pro Lys Ile Ser Phe Leu
85 90 95

Leu Lys

<210> 216

<211> 81

<212> PRT

<213> Homo sapiens

<400> 216

Met Trp Gly Gly Ser Val Phe Leu Lys Pro Lys Leu Leu Gln Ala Gly
1 5 10 15

Gly Phe Leu His Phe Leu Phe Val Leu Phe Leu Thr Ala Asp Ser Val
20 25 30

His Leu Ser Val Gly Gly Glu Leu Leu Leu Arg Thr Gly Phe Lys Arg
35 40 45

His Ile Pro Val Thr Phe Lys Asn Leu His Gly Gly Arg Ser Phe Ser
50 55 60

Arg Ser Val Gly Trp Ser Thr Leu Gly Pro Thr Thr Leu Arg Arg Gly
65 70 75 80

Arg

<210> 217
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Phe His Gln Ile Trp Ala Ala Leu Leu Tyr Phe Tyr Gly Ile Ile
 1 5 10 15
 Leu Asn Ser Ile Tyr Gln Cys Pro Glu His Ser Gln Leu Thr Thr Leu
 20 25 30
 Gly Val Asp Gly Lys Glu Phe Pro Glu Val His Leu Gly Gln Trp Tyr
 35 40 45
 Phe Ile Ala Gly Ala Ala Pro Thr Lys Glu Glu Leu Ala Thr Phe Asp
 50 55 60
 Pro Val Asp Asn Ile Val Phe Asn Met Ala Ala Gly Ser Ala Pro Met
 65 70 75 80
 Gln Leu His Leu Arg Ala Thr Ile Arg Met Lys Asp Gly Leu Cys Val
 85 90 95
 Pro Arg Lys Trp Ile Tyr His Leu Thr Glu Gly Ser Thr Asp Leu Arg
 100 105 110
 Thr Glu Gly Arg Pro Asp Met Lys Thr Glu Leu Phe Ser Ser Ser Cys
 115 120 125
 Pro Gly Gly Ile Met Leu Asn Glu Thr Gly Gln Gly Tyr Gln Arg Phe
 130 135 140
 Leu Leu Tyr Asn Arg Ser Pro His Pro Pro Glu Lys Cys Val Glu Glu
 145 150 155 160
 Phe Lys Ser Leu Thr Ser Cys Leu Asp Ser Lys Ala Phe Leu Leu Thr
 165 170 175
 Pro Arg Asn Gln Glu Ala Cys Glu Leu Ser Asn Asn
 180 185

<210> 218
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Gln Arg Thr Phe Lys Tyr Leu His Phe Tyr Ile Ile Arg Phe Val
 1 5 10 15

Ser Thr Tyr Ala Phe Ile Val Phe Phe Pro Phe Ser Ser Ser His Val
 20 25 30

Asn Gly Pro Cys Glu Lys Asn Ile Pro Leu Gly Lys
 35 40

<210> 219

<211> 515

<212> PRT

<213> Homo sapiens

<400> 219

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1 5 10 15

Arg Gly Leu Gln Ala Gly Gly Glu Trp Arg Arg Pro Pro Ala His Ser
 20 25 30

Pro Val Pro Ala Pro Pro Leu Arg Phe Ala Ser Pro His Ser Pro Gln
 35 40 45

Ala Pro Asp Pro Gly Phe Gln Glu Arg Phe Phe Gln Gln Arg Leu Asp
 50 55 60

His Phe Asn Phe Glu Arg Phe Gly Asn Lys Thr Phe Pro Gln Arg Phe
 65 70 75 80

Leu Val Ser Asp Arg Phe Trp Val Arg Gly Glu Gly Pro Ile Phe Phe
 85 90 95

Tyr Thr Gly Asn Glu Gly Asp Val Trp Ala Phe Ala Asn Asn Ser Gly
 100 105 110

Phe Val Ala Glu Leu Ala Ala Glu Arg Gly Ala Leu Leu Val Phe Ala
 115 120 125

Glu His Arg Tyr Tyr Gly Lys Ser Leu Pro Phe Gly Ala Gln Ser Thr
 130 135 140

Gln Arg Gly His Thr Glu Leu Leu Thr Val Glu Gln Ala Leu Ala Asp
 145 150 155 160

Phe Ala Glu Leu Leu Arg Ala Leu Arg Arg Asp Leu Gly Ala Gln Asp
 165 170 175

Ala Pro Ala Ile Ala Phe Gly Gly Ser Tyr Gly Gly Met Leu Ser Ala
 180 185 190

Tyr Leu Arg Met Lys Tyr Pro His Leu Val Ala Gly Ala Leu Ala Ala
 195 200 205

Ser Ala Pro Val Leu Ala Val Ala Gly Leu Gly Asp Ser Asn Gln Phe
 210 215 220

Phe	Arg	Asp	Val	Thr	Ala	Asp	Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	225	230	235	240
Gln	Gly	Val	Arg	Glu	Ala	Phe	Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	245	250	255	
Gly	Ala	Tyr	Asp	Thr	Val	Arg	Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	260	265	270	
Ser	Asp	Glu	Lys	Asp	Leu	Thr	Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	275	280	285	
Phe	Thr	Val	Leu	Ala	Met	Met	Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	290	295	300	
Gly	Pro	Leu	Pro	Ala	Asn	Pro	Val	Lys	Val	Gly	Cys	Asp	Arg	Leu	Leu	305	310	315	320
Ser	Glu	Ala	Gln	Arg	Ile	Thr	Gly	Leu	Arg	Ala	Leu	Ala	Gly	Leu	Val	325	330	335	
Tyr	Asn	Ala	Ser	Gly	Ser	Glu	His	Cys	Tyr	Asp	Ile	Tyr	Arg	Leu	Tyr	340	345	350	
His	Ser	Cys	Ala	Asp	Pro	Thr	Gly	Cys	Gly	Thr	Gly	Pro	Asp	Ala	Arg	355	360	365	
Ala	Trp	Asp	Tyr	Gln	Ala	Cys	Thr	Glu	Ile	Asn	Leu	Thr	Phe	Ala	Ser	370	375	380	
Asn	Asn	Val	Thr	Asp	Met	Phe	Pro	Asp	Leu	Pro	Phe	Thr	Asp	Glu	Leu	385	390	395	400
Arg	Gln	Arg	Tyr	Cys	Leu	Asp	Thr	Trp	Gly	Val	Trp	Pro	Arg	Pro	Asp	405	410	415	
Trp	Leu	Leu	Thr	Ser	Phe	Trp	Gly	Gly	Asp	Leu	Arg	Ala	Ala	Ser	Asn	420	425	430	
Ile	Ile	Phe	Ser	Asn	Gly	Asn	Leu	Asp	Pro	Trp	Ala	Gly	Gly	Gly	Ile	435	440	445	
Arg	Arg	Asn	Leu	Ser	Ala	Ser	Val	Ile	Ala	Val	Thr	Ile	Gln	Gly	Gly	450	455	460	
Ala	His	His	Leu	Asp	Leu	Arg	Ala	Ser	His	Pro	Glu	Asp	Pro	Ala	Ser	465	470	475	480
Val	Val	Glu	Ala	Arg	Lys	Leu	Glu	Ala	Thr	Ile	Ile	Gly	Glu	Trp	Val	485	490	495	
Lys	Ala	Ala	Arg	Arg	Glu	Gln	Gln	Pro	Ala	Leu	Arg	Gly	Gly	Pro	Arg	500	505	510	
Leu	Ser	Leu																	

515

<210> 220

<211> 522

<212> PRT

<213> Homo sapiens

<400> 220

Met Ala Ala Ala Met Pro Leu Ala Leu Leu Val Leu Leu Leu Leu Gly
 1 5 10 15

Pro Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu
 20 25 30

Glu Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe
 35 40 45

Gln Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser
 50 55 60

His Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr
 65 70 75 80

Ser Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr
 85 90 95

Arg Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His
 100 105 110

Tyr Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu
 115 120 125

Asn Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly
 130 135 140

Leu Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His
 145 150 155 160

Ser Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr
 165 170 175

Ser Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala
 180 185 190

Phe Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe
 195 200 205

Ser Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val
 210 215 220

Tyr Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val
 225 230 235 240

His Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg

245						250						255					
Lys	Thr	Tyr	Ala	Ile	Tyr	Asp	Leu	Leu	Asp	Thr	Ala	Met	Ile	Asn	Asn		
			260					265					270				
Ser	Arg	Asn	Leu	Asn	Ile	Gln	Leu	Lys	Trp	Lys	Arg	Pro	Pro	Glu	Asn		
		275					280					285					
Glu	Ala	Pro	Pro	Val	Pro	Phe	Leu	His	Ala	Gln	Arg	Tyr	Val	Ser	Gly		
	290					295					300						
Tyr	Gly	Leu	Gln	Lys	Gly	Glu	Leu	Ser	Thr	Leu	Leu	Tyr	Asn	Thr	His		
305					310					315					320		
Pro	Tyr	Arg	Ala	Phe	Pro	Val	Leu	Leu	Leu	Asp	Thr	Val	Pro	Trp	Tyr		
				325					330					335			
Leu	Arg	Leu	Tyr	Val	His	Thr	Leu	Thr	Ile	Thr	Ser	Lys	Gly	Lys	Glu		
			340					345					350				
Asn	Lys	Pro	Ser	Tyr	Ile	His	Tyr	Gln	Pro	Ala	Gln	Asp	Arg	Leu	Gln		
		355					360					365					
Pro	His	Leu	Leu	Glu	Met	Leu	Ile	Gln	Leu	Pro	Ala	Asn	Ser	Val	Thr		
	370					375					380						
Lys	Val	Ser	Ile	Gln	Phe	Glu	Arg	Ala	Leu	Leu	Lys	Trp	Thr	Glu	Tyr		
385					390					395					400		
Thr	Pro	Asp	Pro	Asn	His	Gly	Phe	Tyr	Val	Ser	Pro	Ser	Val	Leu	Ser		
				405					410					415			
Ala	Leu	Val	Pro	Ser	Met	Val	Ala	Ala	Lys	Pro	Val	Asp	Trp	Glu	Glu		
			420					425					430				
Ser	Pro	Leu	Phe	Asn	Ser	Leu	Phe	Pro	Val	Ser	Asp	Gly	Ser	Asn	Tyr		
		435					440					445					
Phe	Val	Arg	Leu	Tyr	Thr	Glu	Pro	Leu	Leu	Val	Asn	Leu	Pro	Thr	Pro		
	450					455					460						
Asp	Phe	Ser	Met	Pro	Tyr	Asn	Val	Ile	Cys	Leu	Thr	Cys	Thr	Val	Val		
465					470					475					480		
Ala	Val	Cys	Tyr	Gly	Ser	Phe	Tyr	Asn	Leu	Leu	Thr	Arg	Thr	Phe	His		
				485					490					495			
Ile	Glu	Glu	Pro	Arg	Thr	Gly	Gly	Leu	Ala	Lys	Arg	Leu	Ala	Asn	Leu		
			500					505					510				
Ile	Arg	Arg	Ala	Arg	Gly	Val	Pro	Pro	Leu								
		515					520										

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Lys Ser His Ile Ser Trp Arg Leu Cys Ser Leu Leu Leu Ile Leu
 1 5 10 15
 Phe Ser Leu Ile Leu Ser Ala Cys Phe Ile Ser Ala Arg Trp Ser Ser
 20 25 30
 Asn Ser Asp Ile Phe Phe Ser Ala Trp Ser Ile Gln Leu Leu Ile Leu
 35 40 45
 Val Tyr Ala Ser
 50

<210> 222
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 222
 Met Gly Phe Trp Cys Gly Cys Pro Phe Cys Leu Leu Val Phe Leu Leu
 1 5 10 15
 Thr Val Arg Thr Arg Ser Phe Xaa Ser Val Gly Val Cys Trp Arg Ser
 20 25 30
 Thr Pro Asp Pro Leu Cys Leu Gly Ile Ser Ser Arg Ser Cys Arg Thr
 35 40 45
 Ala Asp Ile Gly Glu Gln Gln Met Leu Leu Pro Asp Arg Ser Ser Gly
 50 55 60
 Ser Phe Val Ser Glu Tyr Pro Ala Met
 65 70

<210> 223
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Tyr Arg Phe Phe Leu Cys Val Asp Leu Ser Phe Gln Leu Leu Trp
 1 5 10 15
 Val Ile Pro Arg Ser Thr Val Thr Gly Thr Tyr Gly Lys Asp Ile Phe

20 25 30
 Ser Leu Ala Gly Asn His His Thr Val Phe Gln Ser Ser Cys Thr Ile
 35 40 45

Leu His Thr His Gln His
 50

<210> 224
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Ala Thr Ile Leu Leu Lys Leu Pro Ile Leu Ser Ala Met Ile Lys
 1 5 10 15

Lys Pro Leu Arg Asn Tyr Leu Lys Thr Ser Glu Thr Thr Met Glu Lys
 20 25 30

Ile Ile Ile Gln Lys Leu Val Ala Asn Leu Lys Phe Leu Pro Leu Gly
 35 40 45

Thr Leu Gln Leu Ala Met Met Ile Ala Asn Leu Ile Lys Lys Leu Phe
 50 55 60

Phe Pro Leu Val Lys Ala Ala Lys
 65 70

<210> 225
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 225
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15

Phe Ile Ala Leu Phe Ser His Ala Leu Val Pro His Cys Phe Asn Tyr
 20 25 30

Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45

Leu Pro Thr Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Tyr Phe
 50 55 60

Ser Ile
 65

<210> 226
 <211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 226

Met	Ala	Lys	Thr	Asp	Phe	Ser	Ile	Ile	Leu	Leu	Lys	Leu	His	Cys	Leu
1				5					10				15		

Phe	Phe	Phe	Ser	Val	Ile	Ser	Val	His	Cys	Ala	Gln	Ser	Phe	Ile	Ser
			20					25					30		

Val	Thr	Gln	Thr	Glu	Pro	Ser	Pro	Ala	Val	Cys	Ile	Phe	Pro	Ala	Val
		35					40					45			

Gly	Ser	Gly	Leu	Gly	Pro	Cys	Asp	Xaa
	50					55		

<210> 227

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 227

Met	Ala	Gly	Pro	Trp	Thr	Phe	Thr	Leu	Leu	Cys	Gly	Leu	Leu	Ala	Ala
1				5				10						15	

Thr	Leu	Ile	Gln	Ala	Thr	Leu	Ser	Pro	Thr	Ala	Val	Leu	Ile	Leu	Gly
			20					25					30		

Pro	Lys	Val	Ile	Lys	Glu	Lys	Leu	Thr	Gln	Glu	Leu	Lys	Asp	His	Asn
		35					40					45			

Ala	Thr	Ser	Ile	Leu	Gln	Gln	Leu	Pro	Leu	Leu	Ser	Ala	Met	Arg	Glu
	50					55					60				

Lys	Pro	Ala	Gly	Ala	Ser	Leu	Cys	Trp	Ala	Ala	Trp	Xaa
65						70					75	

<210> 228

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (45)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 228

Met Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala
 1 5 10 15

Leu Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly
 20 25 30

Pro Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly Xaa
 35 40 45

<210> 229
 <211> 102
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 229

Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg Ala
 1 5 10 15

Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile Ser Gln
 20 25 30

Val Pro Arg Arg Leu Pro Arg Gly Leu His Cys Ser Ala Leu Xaa Ile
 35 40 45

Ala Leu Asn Ser Pro Trp Phe Pro Ala His Arg Asn Pro Gly Arg Gly
 50 55 60

Pro Pro Arg Leu Trp Cys Pro Leu Arg Thr Cys Leu Gly Arg Arg Leu
 65 70 75 80

Val Gly Asn Gly Thr Arg Arg Ala Ser Cys Arg Arg Cys Arg Asn Leu
 85 90 95

Arg Xaa Gln Arg Ala Xaa

100

<210> 230

<211> 132

<212> PRT

<213> Homo sapiens

<400> 230

Met	Thr	Tyr	Phe	Ser	Gly	Leu	Leu	Val	Ile	Leu	Ala	Phe	Ala	Ala	Trp
1				5					10					15	

Val	Ala	Leu	Ala	Glu	Gly	Leu	Gly	Val	Ala	Val	Tyr	Ala	Ala	Ala	Val
			20					25						30	

Leu	Leu	Gly	Ala	Gly	Cys	Ala	Thr	Ile	Leu	Val	Thr	Ser	Leu	Ala	Met
		35					40					45			

Thr	Ala	Asp	Leu	Ile	Gly	Pro	His	Thr	Asn	Ser	Gly	Ala	Phe	Val	Tyr
	50					55					60				

Gly	Ser	Met	Ser	Phe	Leu	Asp	Lys	Val	Ala	Asn	Gly	Leu	Ala	Val	Met
65					70					75					80

Ala	Ile	Gln	Ser	Leu	His	Pro	Cys	Pro	Ser	Glu	Leu	Cys	Cys	Arg	Ala
				85					90					95	

Cys	Val	Ser	Phe	Tyr	His	Trp	Ala	Met	Val	Ala	Val	Thr	Gly	Gly	Val
			100					105					110		

Gly	Val	Ala	Ala	Ala	Leu	Cys	Leu	Cys	Ser	Leu	Leu	Leu	Trp	Pro	Thr
		115					120						125		

Arg	Leu	Arg	Arg
	130		

<210> 231

<211> 66

<212> PRT

<213> Homo sapiens

<400> 231

Met	Thr	Tyr	Phe	Ser	Gly	Leu	Leu	Val	Ile	Leu	Ala	Phe	Ala	Ala	Trp
1				5					10					15	

Val	Ala	Leu	Ala	Glu	Gly	Leu	Gly	Val	Ala	Val	Tyr	Ala	Ala	Ala	Val
			20					25						30	

Leu	Leu	Gly	Ala	Gly	Cys	Ala	Thr	Ile	Leu	Val	Thr	Ser	Leu	Ala	Met
		35					40					45			

Thr	Ala	Asp	Leu	Ile	Gly	Pro	His	Thr	Asn	Ser	Gly	Leu	Ser	Cys	Thr
	50					55					60				

Ala Pro

65

<210> 232

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 232

Met	Pro	Trp	Lys	Arg	Ala	Val	Val	Leu	Leu	Met	Leu	Trp	Phe	Ile	Gly
1				5					10					15	

Gln	Ala	Met	Trp	Leu	Ala	Pro	Ala	Tyr	Val	Leu	Glu	Phe	Gln	Gly	Lys
		20						25					30		

Asn	Thr	Phe	Leu	Phe	Ile	Trp	Leu	Ala	Gly	Leu	Phe	Phe	Leu	Leu	Ile
		35					40					45			

Asn	Cys	Ser	Ile	Leu	Ile	Gln	Ile	Ile	Ser	His	Tyr	Lys	Glu	Glu	Pro
	50					55					60				

Leu	Thr	Glu	Arg	Ile	Lys	Tyr	Asp	Xaa
65					70			

<210> 233

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 233

Met	Leu	Ala	Leu	Thr	Phe	Met	Phe	Met	Val	Leu	Glu	Val	Val	Val	Ser
1				5					10					15	

Arg	Val	Thr	Ser	Ser	Leu	Ala	Met	Leu	Ser	Asp	Ser	Phe	His	Met	Leu
			20					25					30		

Ser	Asp	Val	Leu	Ala	Leu	Val	Val	Ala	Leu	Val	Ala	Glu	Arg	Phe	Ala
	35						40					45			

Arg	Arg	Thr	His	Ala	Thr	Gln	Lys	Asn	Thr	Phe	Gly	Trp	Ile	Arg	Ala
	50					55					60				

Glu	Val	Met	Gly	Ala	Leu	Val	Asn	Ala	Ile	Phe	Leu	Thr	Gly	Leu	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65		70		75		80									
Phe	Ala	Ile	Leu	Leu	Glu	Ala	Ile	Glu	Arg	Phe	Ile	Glu	Pro	His	Glu
			85						90					95	
Met	Gln	Gln	Pro	Leu	Val	Val	Leu	Gly	Val	Gly	Val	Ala	Gly	Leu	Leu
			100					105					110		
Val	Asn	Val	Leu	Gly	Leu	Cys	Leu	Phe	His	His	His	Ser	Gly	Phe	Ser
		115					120					125			
Gln	Asp	Ser	Gly	His	Xaa	His	Ser	His	Gly	Gly	His	Gly	His	Gly	His
	130					135					140				
Gly	Leu	Pro	Lys	Gly	Pro	Arg	Val	Lys	Ser	Thr	Arg	Pro	Gly	Ser	Ser
145					150					155					160
Asp	Ile	Asn	Val	Ala	Pro	Gly	Glu	Gln	Gly	Pro	Asp	Gln	Glu	Glu	Thr
				165					170					175	
Asn	Thr	Leu	Val	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Gly	Leu	Lys	Leu	Asp
		180						185					190		
Pro	Ala	Asp	Pro	Glu	Asn	Pro	Arg	Ser	Gly	Asp	Thr	Val	Glu	Val	Gln
		195					200					205			
Val	Asn	Gly	Asn	Leu	Val	Arg	Glu	Pro	Asp	His	Met	Glu	Leu	Glu	Glu
	210					215					220				
Asp	Arg	Ala	Gly	Gln	Leu	Asn	Met	Arg	Gly	Val	Phe	Leu	His	Val	Leu
225					230					235					240
Gly	Asp	Ala	Leu	Gly	Ser	Val	Ile	Val	Val	Val	Asn	Ala	Leu	Val	Phe
				245					250					255	
Tyr	Phe	Ser	Trp	Lys	Gly	Cys	Ser	Glu	Gly	Asp	Phe	Cys	Val	Asn	Pro
			260					265					270		
Cys	Phe	Pro	Asp	Pro	Cys	Lys	Ala	Phe	Val	Glu	Ile	Leu	Ile	Val	Leu
		275					280					285			
Met	His	Gln	Phe	Met											
		290													

<210> 234

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 234

Met	Lys	Thr	His	Leu	Leu	Met	Phe	Leu	Leu	Ser	Cys	Met	Ala	Arg	Cys
1				5				10						15	

Thr	Gly	Ile	Val	Pro	Lys	Arg	Pro	Gln	Pro	Ala	Phe	Pro	Leu	Arg	Gly
			20					25					30		

Arg	Arg	Arg	Lys	Asn	Ser	Phe	Leu	Phe	Leu	Leu	Ser	Phe	Ser	Ile	Glu
			35				40					45			

Phe	Leu	Leu	Cys	Val	Trp	Xaa
50						55

<210> 235

<211> 47

<212> PRT

<213> Homo sapiens

<400> 235

Met	Lys	Thr	His	Leu	Leu	Met	Phe	Leu	Leu	Ser	Cys	Met	Ala	Arg	Cys
1				5				10						15	

Thr	Gly	Ile	Val	Pro	Lys	Arg	Pro	Gln	Pro	Ala	Phe	Pro	Leu	Arg	Gly
			20					25					30		

Lys	Glu	Lys	Lys	Lys	Leu	Leu	Phe	Ile	Phe	Thr	Phe	Phe	Gln	His
		35					40					45		

<210> 236

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 236

Met	Cys	Lys	Ala	Val	Cys	Lys	His	Arg	Leu	Arg	Leu	Phe	Ala	Val	Ser
1				5					10					15	

Ser	Phe	Ser	Leu	Gly	Leu	Gly	Trp	Val	Cys	Val	Leu	Val	Leu	Met	Leu
			20				25					30			

Trp	Pro	Val	Arg	Leu	Ser	Leu	Ala	Xaa	Arg	Pro	Val	Gln	Leu	Gln	Gln
			35				40					45			

Arg Arg Ser His Cys Xaa
50

<210> 237

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 237

Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
1 5 10 15

Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
20 25 30

Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
35 40 45

Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
50 55 60

His Gly Lys Tyr Ser Xaa
65 70

<210> 238

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 238

Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
1 5 10 15

Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
20 25 30

Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
35 40 45

Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile
50 55 60

Pro Ser Phe Tyr Xaa

65

<210> 239

<211> 67

<212> PRT

<213> Homo sapiens

<400> 239

Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15

Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20 25 30

Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45

Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Val Thr Cys
 50 55 60

Phe Gly Ala
 65

<210> 240

<211> 90

<212> PRT

<213> Homo sapiens

<400> 240

Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15

Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30

Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45

Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60

Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80

Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 241

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 241

Met	Ala	Phe	Lys	Leu	Leu	Ile	Leu	Leu	Ile	Gly	Thr	Trp	Ala	Leu	Phe
1				5					10					15	

Phe	Arg	Lys	Arg	Arg	Ala	Asp	Met	Pro	Arg	Val	Phe	Val	Phe	Arg	Ala
			20					25					30		

Leu	Leu	Leu	Val	Leu	Ile	Phe	Leu	Phe	Cys	Gly	Phe	Pro	Ile	Gly	Phe
		35					40					45			

Phe	Thr	Gly	Ser	Ala	Phe	Trp	Thr	Leu	Gly	Asn	Arg	Asn	Tyr	Gln	Gly
	50					55					60				

Ile	Val	Gln	Tyr	Ala	Val	Ser	Pro	Cys	Gly	Met	Pro	Ser	Ser	Phe	His
65					70					75					80

Pro	Leu	Leu	Ala	Ile	Arg	Pro	Cys	Trp	Ser	Ser	Gly	Ser	Leu	Gln	Pro
				85					90					95	

Asn	Val	Pro	Arg	Cys	Arg	Leu	Val	Pro	Leu	Pro	Thr	Glu	Trp	Gly	Asn
			100					105					110		

Pro	Arg	Phe	Gln	Xaa	Gly	Thr	Pro	Glu	Tyr	Pro	Ala	Ser	Ser	Ile	Gly
		115					120					125			

Gly	Pro	Arg	Lys	Leu	Leu	Gln	Arg	Phe	His	His	Leu
130						135					140

<210> 242

<211> 37

<212> PRT

<213> Homo sapiens

<400> 242

Met	Gly	Leu	Pro	Val	Ser	Trp	Ala	Pro	Pro	Ala	Leu	Trp	Val	Leu	Gly
1				5					10					15	

Cys	Cys	Ala	Leu	Leu	Leu	Ser	Leu	Trp	Ala	Leu	Cys	Thr	Ala	Cys	Arg
			20					25					30		

Ser	Pro	Arg	Thr	Leu
				35

<210> 243

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 243

Arg	Leu	Leu	Asn	Leu	Ser	Val	Pro	Met	Phe	Thr	Phe	Ile	Val	Val	Lys
1				5					10					15	

Arg	Tyr	Ala	Thr	Xaa
			20	

<210> 244

<211> 138

<212> PRT

<213> Homo sapiens

<400> 244

Met	Ala	Tyr	Leu	Thr	Gly	Met	Leu	Ser	Ser	Tyr	Tyr	Asn	Thr	Thr	Ser
1				5					10					15	

Val	Leu	Leu	Cys	Leu	Gly	Ile	Thr	Ala	Leu	Val	Cys	Leu	Ser	Val	Thr
			20					25					30		

Val	Phe	Ser	Phe	Gln	Thr	Lys	Phe	Asp	Phe	Thr	Ser	Cys	Gln	Gly	Val
		35					40					45			

Leu	Phe	Val	Leu	Leu	Met	Thr	Leu	Phe	Phe	Ser	Gly	Leu	Ile	Leu	Ala
	50					55					60				

Ile	Leu	Leu	Pro	Phe	Gln	Tyr	Val	Pro	Trp	Leu	His	Ala	Val	Tyr	Ala
65					70				75					80	

Ala	Leu	Gly	Ala	Gly	Val	Phe	Thr	Leu	Phe	Leu	Ala	Leu	Asp	Thr	Gln
				85					90					95	

Leu	Leu	Met	Gly	Asn	Arg	Arg	His	Ser	Leu	Ser	Pro	Glu	Glu	Tyr	Ile
			100					105					110		

Phe	Gly	Ala	Leu	Asn	Ile	Tyr	Leu	Asp	Ile	Ile	Tyr	Ile	Phe	Thr	Phe
		115					120					125			

Phe	Leu	Gln	Leu	Phe	Gly	Thr	Asn	Arg	Glu
	130					135			

<210> 245

<211> 175

<212> PRT

<213> Homo sapiens

<400> 245

Met	Ala	Gln	Trp	Thr	Ser	Thr	Gly	Pro	Gly	Lys	Pro	Thr	Arg	Arg	Gly
1				5					10					15	

Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
 20 25 30
 Ala Ser Trp Gly Thr Ala Thr Ala Ala Trp Pro Cys Ser Cys Gly Thr
 35 40 45
 Gly Met Ala Thr Pro Ser Cys Cys Ser Ser Pro Cys Thr Trp Val Ala
 50 55 60
 Arg Thr Arg Pro Ile Ala Cys Ser Ser Leu His Pro Trp Pro Ala Ser
 65 70 75 80
 Trp Ala Pro Pro Pro Ser His Pro Ala Ala Ser Pro Tyr Pro Ser Pro
 85 90 95
 Leu Gly Thr Arg Ile Thr Thr Ser Ala Gly Thr Arg Thr Ala Pro Arg
 100 105 110
 Ala Ser Leu Glu Ala Gly Gly Leu Ala Pro Ala Ala Ile Pro Thr Phe
 115 120 125
 Asn Gly Pro Val Leu Pro Ala Pro Ser His Ser Ser Gly Arg Ser Leu
 130 135 140
 Arg Arg Glu Ser Ser Gly Arg Pro Ala Gly Arg Tyr Tyr Pro Leu Gln
 145 150 155 160
 Ala Thr Thr Met Leu Ile Gln Pro Met Ala Ala Glu Ala Ala Ser
 165 170 175

<210> 246

<211> 101

<212> PRT

<213> Homo sapiens

<400> 246

Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
 1 5 10 15
 Leu Ser Val Leu Ala Tyr Glu Gln Arg Pro Pro Leu Gly Pro Gly Thr
 20 25 30
 Leu Leu Ser Leu Leu Ser Leu Gly Ser Ala Ser Ala Ala Ala Val Pro
 35 40 45
 Val Ala Met Gly Leu Gly Asp Gln Arg Tyr Thr Ala Pro Trp Arg Ala
 50 55 60
 Ala Ala Gln Arg Cys Leu Gln Gly Leu Trp Gly Arg Ala Ser Arg Asp
 65 70 75 80
 Ser Pro Gly Pro Ser Ile Ala Tyr His Pro Ser Ser Gln Ser Ser Val
 85 90 95

Asp Leu Asp Leu Asn
100

<210> 247
<211> 39
<212> PRT
<213> Homo sapiens

<400> 247
Met Leu Gly Leu Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
1 5 10 15
Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
20 25 30
Gly His Pro Ser Cys Gly Ser
35

<210> 248
<211> 47
<212> PRT
<213> Homo sapiens

<400> 248
Met Leu Ser Ile Ile Pro Asn Asp Arg Leu Phe Ile Asn Leu Ile Phe
1 5 10 15
Leu Ser Asn Phe Leu Pro Ser Val Leu Trp Glu Pro Ala Gly Gln Met
20 25 30
Trp Tyr Thr His Val Arg Tyr Pro Ser Gly Arg Leu Leu Ser Leu
35 40 45

<210> 249
<211> 34
<212> PRT
<213> Homo sapiens

<400> 249
Met Thr Gly Phe Ala Gln Phe Cys Val Ile Leu Gly Leu Asn Leu Ser
1 5 10 15
Leu Phe Gly Thr Phe Pro Tyr Leu Leu Pro Ser Ser Glu Ser Arg Cys
20 25 30
Arg Lys

<210> 250
<211> 490

<212> PRT

<213> Homo sapiens

<400> 250

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Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1              5              10              15

Arg Gly Leu Gln Ala Gly Ala Arg Ser Gly Pro Arg Leu Pro Gly Ala
      20              25              30

Leu Leu Pro Ala Ala Ser Gly Pro Leu Gln Leu Arg Ala Leu Arg Gln
      35              40              45

Gln Asp Leu Pro Ser Ala Leu Pro Gly Val Gly Gln Val Leu Gly Pro
      50              55              60

Gly Arg Gly Ala His Leu Leu Leu His Trp Glu Arg Gly Arg Arg Val
      65              70              75              80

Gly Leu Arg Gln Gln Leu Gly Leu Arg Arg Gly Leu Ala Ala Glu Arg
      85              90              95

Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu
      100             105             110

Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu Leu Thr
      115             120             125

Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Leu Arg Ala Leu Arg
      130             135             140

Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly Gly Ser
      145             150             155             160

Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro His Leu
      165             170             175

Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ser Val Ala Gly
      180             185             190

Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp Phe Glu
      195             200             205

Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe Arg Gln
      210             215             220

Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg Trp Glu
      225             230             235             240

Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr Gln Leu
      245             250             255

Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met Asp Tyr
      260             265             270

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Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro Ala Asn Pro Val Lys
 275 280 285

Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr Gly Leu
 290 295 300

Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu His Cys
 305 310 315 320

Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr Gly Cys
 325 330 335

Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys Thr Glu
 340 345 350

Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe Pro Asp
 355 360 365

Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp Thr Trp
 370 375 380

Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp Gly Gly
 385 390 395 400

Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp
 405 410 415

Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
 420 425 430

Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg Ala Ser
 435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
 450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln Gln Pro
 465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 251

<211> 555

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (555)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 251

Gly Gly Gly Tyr Ala Leu Ala Leu Leu Val Leu Leu Leu Leu Gly Pro

1	5	10	15
Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu Glu	20	25	30
Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe Gln	35	40	45
Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser His	50	55	60
Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr Ser	65	70	75
Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr Arg	85	90	95
Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His Tyr	100	105	110
Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu Asn	115	120	125
Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly Leu	130	135	140
Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His Ser	145	150	155
Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr Ser	165	170	175
Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala Phe	180	185	190
Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe Ser	195	200	205
Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val Tyr	210	215	220
Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val His	225	230	235
Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg Lys	245	250	255
Thr Tyr Ala Ile Tyr Asp Leu Leu Asp Thr Ala Met Ile Asn Asn Ser	260	265	270
Arg Asn Leu Asn Ile Gln Leu Lys Trp Lys Arg Pro Pro Glu Asn Glu	275	280	285
Ala Pro Pro Val Pro Phe Leu His Ala Gln Arg Tyr Val Ser Gly Tyr	290	295	300

Gly Leu Gln Lys Gly Glu Leu Ser Thr Leu Leu Tyr Asn Thr His Pro
 305 310 315 320
 Tyr Arg Ala Phe Pro Val Leu Leu Leu Asp Thr Val Pro Trp Tyr Leu
 325 330 335
 Arg Leu Tyr Val His Thr Leu Thr Ile Thr Ser Lys Gly Lys Glu Asn
 340 345 350
 Lys Pro Ser Tyr Ile His Tyr Gln Pro Ala Gln Asp Arg Leu Gln Pro
 355 360 365
 His Leu Leu Glu Met Leu Ile Gln Leu Pro Ala Asn Ser Val Thr Lys
 370 375 380
 Val Ser Ile Gln Phe Glu Arg Ala Leu Leu Lys Trp Thr Glu Tyr Thr
 385 390 395 400
 Pro Asp Pro Asn His Gly Phe Tyr Val Ser Pro Ser Val Leu Ser Ala
 405 410 415
 Leu Val Pro Ser Met Val Ala Ala Lys Pro Val Asp Trp Glu Glu Ser
 420 425 430
 Pro Leu Phe Asn Ser Leu Phe Pro Val Ser Asp Gly Ser Asn Tyr Phe
 435 440 445
 Val Arg Leu Tyr Thr Glu Pro Leu Leu Val Asn Leu Pro Thr Pro Asp
 450 455 460
 Phe Ser Met Pro Tyr Asn Val Ile Cys Leu Thr Cys Thr Val Val Ala
 465 470 475 480
 Val Cys Tyr Gly Ser Phe Tyr Asn Leu Leu Thr Arg Thr Phe Pro His
 485 490 495
 Arg Gly Ala Pro His Arg Trp Pro Gly Gln Ala Ala Gly Gln Pro Tyr
 500 505 510
 Pro Ala Arg Pro Ser Val Pro Pro Thr Leu Ile Leu Ala Leu Ser Ser
 515 520 525
 Ser Cys Ser Cys Arg Phe Ser Leu Gly Arg Gly Ala Gln Gly Leu Phe
 530 535 540
 Leu Pro Leu Ala Leu Leu Arg Val Gly Phe Xaa
 545 550 555

<210> 252

<211> 69

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 252
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15
 Phe Ile Ala Leu Phe Ser His Ala Leu Xaa Pro His Cys Phe Asn Tyr
 20 25 30
 Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45
 Leu Pro Xaa Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Leu Phe
 50 55 60
 Phe Pro Tyr Xaa Leu
 65

<210> 253
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 253
 Thr Arg Pro Glu Lys Val Gln Ala Pro Leu Lys Trp Phe Lys Phe Gln
 1 5 10 15
 Ile Leu Asp Pro Pro
 20

<210> 254
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 254

Ser	Ala	Glu	Phe	Gly	Val	Ala	Pro	Leu	Pro	Gly	Arg	Arg	Gly	Ser	Pro
1				5				10						15	

Val	Arg	Gln	Leu	Ala	Gln	Phe	Arg	Arg	Arg	Leu	Leu	Arg	Gly	Ser	Gly
		20					25						30		

Gly	Arg	Gly	Ala	Pro	Gly	Arg	Pro	Pro	Arg	Cys	Pro	Gly	Glu	Ala	Arg
		35					40					45			

Val	Met	Xaa	Pro	Pro	Ser	Cys	Ile	Gln	Asp	Glu	Pro	Phe	Pro	His	Pro
	50					55					60				

Leu	Glu	Pro	Glu	Pro	Gly	Val	Ser	Ala	Gln	Pro	Gly	Pro	Gly	Lys	Pro
65					70					75					80

Ser	Asp	Lys	Arg	Phe	Arg	Leu	Trp	Tyr	Val	Gly	Gly	Ser	Cys	Leu	Asp
				85					90					95	

His	Arg	Thr	Thr	Leu	Pro	Met	Leu	Pro	Trp	Leu	Met	Ala	Glu	Ile	Arg
		100						105					110		

Arg	Arg	Ser	Gln	Lys	Pro	Glu	Ala	Gly	Gly	Cys	Gly	Ala	Pro	Ala	Ala
		115					120					125			

Arg	Glu	Val	Ile	Leu	Val	Leu	Ser	Ala	Pro	Phe	Leu	Arg	Cys	Val	Pro
	130					135					140				

Ala	Pro	Gly	Ala	Gly	Ala	Ser	Gly	Gly	Thr	Ser	Pro	Ser	Ala	Thr	Gln
145					150					155					160

Pro	Asn	Pro	Ala	Val	Phe	Ile	Phe	Glu	His	Lys	Ala	Gln	His	Ile	Ser
			165					170						175	

Arg	Phe	Ile	His	Asn	Ser	His	Asp	Leu	Thr	Tyr	Phe	Ala	Tyr	Leu	Ile
		180						185					190		

Lys	Ala	Gln	Pro	Asp	Asp	Pro	Glu	Ser	Gln	Met	Ala	Cys	His	Val	Phe
	195						200					205			

Arg	Ala	Thr	Asp	Pro	Ser	Gln	Val	Pro	Asp	Val	Ile	Ser	Ser	Ile	Arg
	210					215					220				

Gln	Leu	Ser	Lys	Xaa	Ala	Met	Lys	Glu	Asp	Ala	Lys	Pro	Ser	Lys	Asp
225					230					235					240

Asn	Glu	Asp	Ala	Phe	Tyr	Asn	Ser	Gln	Lys	Phe	Glu	Val	Leu	Tyr	Cys
			245					250						255	

Gly	Lys	Val	Thr	Val	Thr	Pro	Gln	Glu	Gly	Pro	Leu	Lys	Pro	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

260

265

270

<210> 255

<211> 14

<212> PRT

<213> Homo sapiens

<400> 255

Pro	Met	Leu	Pro	Trp	Leu	Met	Ala	Glu	Ile	Arg	Arg	Arg	Ser
1				5					10				

<210> 256

<211> 19

<212> PRT

<213> Homo sapiens

<400> 256

Ile	His	Asn	Ser	His	Asp	Leu	Thr	Tyr	Phe	Ala	Tyr	Leu	Ile	Lys	Ala
1				5					10					15	

Gln Pro Asp

<210> 257

<211> 12

<212> PRT

<213> Homo sapiens

<400> 257

Lys	Phe	Glu	Val	Leu	Tyr	Cys	Gly	Lys	Val	Thr	Val
1				5				10			

<210> 258

<211> 13

<212> PRT

<213> Homo sapiens

<400> 258

Ile	Ser	Ser	Ile	Arg	Gln	Leu	Ser	Lys	Ala	Met	Lys	Glu
1				5					10			

<210> 259

<211> 20

<212> PRT

<213> Homo sapiens

<400> 259

Gly Glu Arg Arg Asn Trp Gly Gly Glu Val Tyr Tyr Ser Thr Gly Tyr
 1 5 10 15

Ser Ser Arg Lys
 20

<210> 260

<211> 9

<212> PRT

<213> Homo sapiens

<400> 260

Glu Pro Gly Ala Ala Gln Glu Ser Trp
 1 5

<210> 261

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 261

Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
 1 5 10 15

Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
 20 25 30

Gly Val Gly Ser Pro Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala
 35 40 45

Pro Asp Leu Pro Asp Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser
 50 55 60

Cys Pro Asp Met Ser Gln Cys Ile Lys Arg Gly His Gln Pro Val Gly
 65 70 75 80
 Phe Ser Lys His Ala Trp Arg Cys Leu Val Gly Cys Cys Pro Trp Glu
 85 90 95
 Glu Glu Lys Arg Ser Cys His Pro Phe Gly Ala Xaa Leu Leu Trp Val
 100 105 110
 Leu Arg Phe Ala Leu Gln Pro Xaa Val Tyr Glu Asp Pro Ala Ala Leu
 115 120 125
 Asp Gly Gly Glu Glu Gly Met Asp Ile Xaa Thr His Ile Leu Ala Leu
 130 135 140
 Ala Pro Arg Leu Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp
 145 150 155 160
 Pro Arg His Pro Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp
 165 170 175
 Leu Tyr Leu Asn Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro
 180 185 190
 Arg Phe Leu His Ile Arg Arg Ser Gly Pro
 195 200

<210> 262
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 262
 Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
 1 5 10 15
 Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
 20 25 30
 Gly Val Gly Ser Pro
 35

<210> 263
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 263
 Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala Pro Asp Leu Pro Asp
 1 5 10 15
 Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser Cys Pro Asp Met Ser
 20 25 30

Gln Cys Ile Lys Arg
35

<210> 264

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 264

Gly	His	Gln	Pro	Val	Gly	Phe	Ser	Lys	His	Ala	Trp	Arg	Cys	Leu	Val
1				5					10					15	

Gly	Cys	Cys	Pro	Trp	Glu	Glu	Glu	Lys	Arg	Ser	Cys	His	Pro	Phe	Gly
			20					25					30		

Ala Xaa Leu Leu Trp
35

<210> 265

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265

Val	Leu	Arg	Phe	Ala	Leu	Gln	Pro	Xaa	Val	Tyr	Glu	Asp	Pro	Ala	Ala
1				5					10					15	

Leu	Asp	Gly	Gly	Glu	Glu	Gly	Met	Asp	Ile	Xaa	Thr	His	Ile	Leu	Ala
			20					25					30		

Leu Ala Pro Arg Leu
35

<210> 266

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 266

Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp Pro Arg His Pro
1 5 10 15

Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp Leu Tyr Leu Asn
20 25 30

Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro Arg Phe Leu His
35 40 45

Ile Arg Arg Ser Gly Pro
50

<210> 267

<211> 19

<212> PRT

<213> Homo sapiens

<400> 267

Gln Glu Leu Leu Val Lys Ile Pro Leu Asp Met Val Ala Gly Phe Asn
1 5 10 15

Thr Pro Leu

<210> 268

<211> 26

<212> PRT

<213> Homo sapiens

<400> 268

Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu Val Asn Ala Leu
1 5 10 15

Ala Lys Gln Val Met Asn Leu Leu Val Pro
20 25

<210> 269

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 269

His	Xaa	Ile	Trp	Leu	Lys	Val	Ile	Thr	Xaa	Asn	Ile	Leu	Gln	Leu	Gln
1				5					10					15	

Val	Lys	Pro	Ser
			20

<210> 270

<211> 58

<212> PRT

<213> Homo sapiens

<400> 270

Ala	Gly	Pro	Trp	Thr	Phe	Thr	Leu	Leu	Cys	Gly	Leu	Leu	Ala	Ala	Thr
1				5					10					15	

Leu	Ile	Gln	Ala	Thr	Leu	Ser	Pro	Thr	Ala	Val	Leu	Ile	Leu	Gly	Pro
			20					25						30	

Lys	Val	Ile	Lys	Glu	Lys	Leu	Thr	Gln	Glu	Leu	Lys	Asp	His	Asn	Ala
			35				40					45			

Thr	Ser	Ile	Leu	Gln	Gln	Leu	Pro	Leu	Leu
			50			55			

<210> 271

<211> 15

<212> PRT

<213> Homo sapiens

<400> 271

His	Phe	Ile	Ile	Thr	Leu	Thr	Thr	Phe	Phe	Thr	Asn	Tyr	Phe	Leu
1				5					10					15

<210> 272

<211> 99

<212> PRT

<213> Homo sapiens

<400> 272

Met	Lys	Ile	Thr	Phe	Gln	Asp	Leu	Phe	Pro	Met	Trp	Asn	Ser	Phe	Lys
1				5					10					15	

Cys	Phe	Leu	His	Gly	Asn	Val	Phe	Ser	Leu	Phe	Val	Leu	Phe	Pro	Leu
			20					25					30		

Leu Thr Cys Phe Ser Phe Pro Tyr Thr Val Asn Ser Gly Thr Lys Leu
 35 40 45
 Asp Trp Val Gly Trp Leu Val Gly Trp Phe Phe Leu Glu Phe Met Tyr
 50 55 60
 Ile Asn Lys Gly Phe Glu Val Thr Ser Glu Asn Asn Ile Ser Lys Arg
 65 70 75 80
 Val Leu Val Arg Glu Asn Ile Arg Ile Lys Ser Ser Pro Glu Arg Val
 85 90 95
 Leu Arg Met

<210> 273
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 273
 Arg Phe Trp Gly Ser Tyr Glu Pro His Phe Ser Gln Glu Val Ser Val
 1 5 10 15

Ile Pro Pro

<210> 274
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 274
 Ile Arg Gly Asn Tyr Phe Ser Gly Arg Lys Lys Ser Ser Ser Asp Thr
 1 5 10 15

Pro Lys Gly Ser Lys Asp Lys Ile Ser Val Trp Asn Arg Ser Gln Xaa
 20 25 30

Ala Cys Ile Arg Ile Cys Lys Val His Pro Asn Tyr Ile Gln Ile Tyr
 35 40 45

Leu Trp His Ser Ala Thr Ser Phe
 50 55

<210> 275

<211> 74
 <212> PRT
 <213> Homo sapiens

<400> 275
 Ala Gly Asn Gln Val Glu Pro Phe His Val Ser Leu Pro Ser Cys Leu
 1 5 10 15
 Ser Pro Leu Pro His Leu Gly His Ser Met Gly Val Pro Ser Pro Thr
 20 25 30
 Ala Trp Pro Ser Leu Ala Ser Phe His Thr Gln Lys Lys Ala Arg Ile
 35 40 45
 Arg Gln Glu Glu Glu Ser Pro Pro Leu Pro Ser Pro Gln Glu Leu Ala
 50 55 60
 Phe Ser Ala Leu Arg Val Phe Phe Arg Val
 65 70

<210> 276
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 276
 Phe Ile Gln Gln Asn Ile Ser Phe Leu Leu Gly Tyr Ser Ile Pro Val
 1 5 10 15
 Gly Cys Val Gly Leu Ala Phe Phe Ile Phe Leu Phe Ala Thr Pro Val
 20 25 30
 Phe Ile Thr Lys Pro Pro
 35

<210> 277
 <211> 347
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (340)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277

Val	Ser	Ala	His	His	Pro	Ser	Gly	Ala	Asp	Glu	Gly	Val	Thr	Ala	Xaa
1				5					10					15	
Gln	Ile	Leu	Pro	Thr	Glu	Glu	Tyr	Glu	Glu	Ala	Met	Ser	Thr	Met	Gln
			20					25					30		
Val	Ser	Gln	Leu	Asp	Leu	Phe	Arg	Leu	Leu	Asp	Gln	Asn	Arg	Asp	Gly
		35					40					45			
His	Leu	Gln	Leu	Arg	Glu	Val	Leu	Ala	Gln	Thr	Arg	Leu	Gly	Asn	Gly
	50					55					60				
Trp	Trp	Met	Thr	Pro	Glu	Ser	Ile	Gln	Glu	Met	Tyr	Ala	Ala	Ile	Lys
65					70					75					80
Ala	Asp	Pro	Asp	Gly	Asp	Gly	Val	Leu	Ser	Leu	Gln	Glu	Phe	Ser	Asn
				85					90					95	
Met	Asp	Leu	Arg	Asp	Phe	His	Lys	Tyr	Met	Arg	Ser	His	Lys	Ala	Glu
		100						105					110		
Ser	Ser	Glu	Leu	Val	Arg	Asn	Ser	His	His	Thr	Trp	Leu	Tyr	Gln	Gly
		115					120					125			
Glu	Gly	Ala	His	His	Ile	Met	Arg	Ala	Ile	Arg	Gln	Arg	Val	Leu	Arg
	130					135					140				
Leu	Thr	Arg	Leu	Ser	Pro	Glu	Ile	Val	Glu	Leu	Ser	Glu	Pro	Leu	Gln
145					150					155					160
Val	Val	Arg	Tyr	Gly	Glu	Gly	Gly	His	Tyr	His	Ala	His	Val	Asp	Ser
				165					170					175	
Gly	Pro	Val	Tyr	Pro	Glu	Thr	Ile	Cys	Ser	His	Thr	Lys	Leu	Val	Ala
		180						185					190		
Asn	Glu	Ser	Val	Pro	Phe	Glu	Thr	Ser	Cys	Arg	Tyr	Met	Thr	Val	Leu
		195					200					205			
Phe	Tyr	Leu	Asn	Asn	Val	Thr	Gly	Gly	Gly	Glu	Thr	Val	Phe	Pro	Val
	210					215					220				
Ala	Asp	Asn	Arg	Thr	Tyr	Asp	Glu	Met	Ser	Leu	Ile	Gln	Asp	Asp	Val
225					230					235					240
Asp	Leu	Arg	Asp	Thr	Arg	Arg	His	Cys	Asp	Lys	Gly	Asn	Leu	Arg	Val
				245					250				255		
Lys	Pro	Gln	Gln	Gly	Thr	Ala	Val	Phe	Trp	Tyr	Asn	Tyr	Leu	Pro	Asp
		260						265					270		
Gly	Gln	Gly	Trp	Val	Gly	Asp	Val	Asp	Asp	Tyr	Ser	Leu	His	Gly	Gly

275					280					285					
Cys	Leu	Val	Thr	Arg	Gly	Thr	Lys	Trp	Ile	Ala	Asn	Asn	Trp	Ile	Asn
290						295					300				
Val	Asp	Pro	Ser	Arg	Ala	Arg	Gln	Ala	Leu	Phe	Gln	Gln	Glu	Met	Ala
305					310					315					320
Arg	Leu	Ala	Arg	Glu	Gly	Gly	Thr	Asp	Ser	Gln	Pro	Glu	Trp	Ala	Leu
				325					330					335	
Asp	Arg	Ala	Xaa	Xaa	Asp	Ala	Arg	Val	Glu	Leu					
			340					345							

<210> 278
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 278
 Ala Val Phe Trp Tyr Asn
 1 5

<210> 279
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 279
 Thr Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val
 1 5 10 15

Phe Pro

<210> 280
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 280
 Asp Leu Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly His Leu Gln Leu
 1 5 10 15

Arg Glu Val Leu Ala Gln Thr Arg Leu Gly Asn Gly Trp Trp Met Thr
 20 25 30

Pro Glu Ser Ile Gln Glu Met Tyr Ala Ala Ile Lys Ala Asp Pro Asp
 35 40 45

Gly Asp Gly Val Leu Ser Leu Gln Glu Phe Ser
 50 55

<210> 281
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 281
 Val Ser Ala His His Pro Ser Gly Ala Asp Glu Gly Val Thr Ala Xaa
 1 5 10 15

Gln Ile Leu Pro Thr Glu Glu Tyr Glu Glu Ala Met Ser Thr Met Gln
 20 25 30

Val Ser Gln Leu Asp Leu
 35

<210> 282
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 282
 Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly His Leu Gln Leu Arg Glu
 1 5 10 15

Val Leu Ala Gln Thr Arg Leu Gly Asn Gly Trp Trp Met Thr Pro Glu
 20 25 30

Ser Ile Gln Glu Met Tyr
 35

<210> 283
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 283
 Ala Ala Ile Lys Ala Asp Pro Asp Gly Asp Gly Val Leu Ser Leu Gln
 1 5 10 15

Glu Phe Ser Asn Met Asp Leu Arg Asp Phe His Lys Tyr Met Arg Ser
 20 25 30

His Lys Ala Glu Ser Ser
 35

<210> 284
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 284
 Glu Leu Val Arg Asn Ser His His Thr Trp Leu Tyr Gln Gly Glu Gly
 1 5 10 15
 Ala His His Ile Met Arg Ala Ile Arg Gln Arg Val Leu Arg Leu Thr
 20 25 30
 Arg Leu Ser Pro Glu Ile
 35

<210> 285
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 285
 Val Glu Leu Ser Glu Pro Leu Gln Val Val Arg Tyr Gly Glu Gly Gly
 1 5 10 15
 His Tyr His Ala His Val Asp Ser Gly Pro Val Tyr Pro Glu Thr Ile
 20 25 30
 Cys Ser His Thr Lys Leu
 35

<210> 286
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 286
 Val Ala Asn Glu Ser Val Pro Phe Glu Thr Ser Cys Arg Tyr Met Thr
 1 5 10 15
 Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val Phe
 20 25 30
 Pro Val Ala Asp Asn Arg
 35

<210> 287
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 287
 Thr Tyr Asp Glu Met Ser Leu Ile Gln Asp Asp Val Asp Leu Arg Asp

1 5 10 15
 Thr Arg Arg His Cys Asp Lys Gly Asn Leu Arg Val Lys Pro Gln Gln
 20 25 30
 Gly Thr Ala Val Phe Trp
 35

<210> 288
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 288
 Tyr Asn Tyr Leu Pro Asp Gly Gln Gly Trp Val Gly Asp Val Asp Asp
 1 5 10 15
 Tyr Ser Leu His Gly Gly Cys Leu Val Thr Arg Gly Thr Lys Trp Ile
 20 25 30
 Ala Asn Asn Trp Ile Asn
 35

<210> 289
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 289
 Val Asp Pro Ser Arg Ala Arg Gln Ala Leu Phe Gln Gln Glu Met Ala
 1 5 10 15
 Arg Leu Ala Arg Glu Gly Gly Thr Asp Ser Gln Pro Glu Trp Ala Leu
 20 25 30
 Asp Arg Ala Xaa Xaa Asp Ala Arg Val Glu Leu
 35 40

<210> 290
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 290

Leu Leu Ala Asp Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro
 1 5 10 15

<210> 291

<211> 19

<212> PRT

<213> Homo sapiens

<400> 291

Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu Ile
 1 5 10 15

Phe Gln Ser

<210> 292

<211> 16

<212> PRT

<213> Homo sapiens

<400> 292

Ser Met Ala Arg Gly Val Arg Lys Val Phe Leu Arg Leu Leu Pro Gln
 1 5 10 15

<210> 293

<211> 18

<212> PRT

<213> Homo sapiens

<400> 293

Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn Leu Met
 1 5 10 15

Ala Arg

<210> 294

<211> 17

<212> PRT

<213> Homo sapiens

<400> 294

Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg Pro Tyr
 1 5 10 15

Leu

<210> 295
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 295
 Cys Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys
 1 5 10 15

<210> 296
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 296
 Val Leu Lys Tyr Ala Leu Phe Leu Val Leu Lys Asn Tyr Tyr Tyr Cys
 1 5 10 15

Pro Tyr

<210> 297
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 297
 Met Arg Glu Tyr Gly Val Glu Arg Asp Leu Ala Val Tyr Asn Gln Leu
 1 5 10 15

Leu Asn Ile Phe Pro Lys Glu Val Phe Arg Pro Arg Asn Ile Ile Gln
 20 25 30

Arg Ile Phe Val His Tyr Pro Arg Gln Gln Glu Cys Gly Ile Ala Val
 35 40 45

Leu Glu Gln Met Glu Asn His Gly Val Met Pro Asn Lys Glu Thr Glu
 50 55 60

Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr Pro Met Leu Lys
 65 70 75 80

Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met Asn Val Asn Pro
 85 90 95

Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val Glu Leu Ala Met
 100 105 110

Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala Arg Val Thr Ile
 115 120 125

Tyr Gln Val Pro Leu Pro Lys Asp Ser Thr Gly Ala Ala Asp Pro Pro
 130 135 140
 Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln Gln Ala Ala Leu
 145 150 155 160
 Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu Gly Pro Phe Ser
 165 170 175
 Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile Leu Arg Ala Asp
 180 185 190
 Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr Pro Glu Glu Trp
 195 200 205
 Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr Val Arg Ser Gly
 210 215 220
 Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu Glu Gly Pro Val
 225 230 235 240
 Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala Thr Met Ala Lys
 245 250 255
 Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu Ala Gln Ile Pro
 260 265 270
 Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu Gln Thr Ser Ser
 275 280 285
 Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His Gln Glu Glu Asp
 290 295 300
 Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
 305 310 315

<210> 298

<211> 19

<212> PRT

<213> Homo sapiens

<400> 298

Phe Gln Phe Gly Trp Ala Ser Thr Gln Ile Ser His Leu Ser Leu Ile
 1 5 10 15

Pro Glu Leu

<210> 299

<211> 14

<212> PRT

<213> Homo sapiens

<400> 299

Leu Arg Tyr Ala Phe Thr Val Val Ala Asn Ile Thr Val Tyr
 1 5 10

<210> 300

<211> 17

<212> PRT

<213> Homo sapiens

<400> 300

Phe Val Tyr Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu
 1 5 10 15

Ala

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<400> 301

Trp His Leu Val Gly Thr Val Cys Val Leu Leu Ser Phe Pro Phe Ile
 1 5 10 15

Phe

<210> 302

<211> 15

<212> PRT

<213> Homo sapiens

<400> 302

Gly His Phe Leu Asn Asp Leu Cys Ala Ser Met Trp Phe Thr Tyr
 1 5 10 15

<210> 303

<211> 40

<212> PRT

<213> Homo sapiens

<400> 303

Ala Ile Pro Leu Arg Val Leu Val Val Leu Trp Ala Phe Val Leu Gly
 1 5 10 15

Leu Ser Arg Val Met Leu Gly Arg His Asn Val Thr Asp Val Ala Phe
 20 25 30

Gly Phe Phe Leu Gly Tyr Met Gln

35

40

<210> 304
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 304
 Val Gly Leu Ser Arg Val Leu Gly Arg His Thr Asp Val
 1 5 10

<210> 305
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 305
 Ser Phe Tyr Lys Met Lys Arg Asn Ser Tyr Asp Arg Leu Arg Lys Val
 1 5 10 15

Val

<210> 306
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 306
 Leu His Gln Leu Arg Pro Pro His Arg Phe Pro Leu Ile Pro Pro Ala
 1 5 10 15

Ala Ala Glu Gly Ala Gly Ala Pro Pro Gly Cys Gly Tyr Cys Val Phe
 20 25 30

Trp Leu Leu Asn Pro Leu Pro
 35

<210> 307
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 307
 Met Pro Trp Lys Arg Ala Val Val Leu Leu Met Leu Trp Phe Ile Gly
 1 5 10 15

Gln Ala Met Trp Leu Ala Pro Ala Tyr Val Leu Glu Phe Gln Gly Lys
 20 25 30

Asn Thr Phe Leu Phe Ile Trp Leu Ala Gly Leu Phe Phe Leu Leu Ile

35 40 45
 Asn Cys Ser Ile Leu Ile Gln Ile Ile Ser His Tyr Lys Glu Glu Pro
 50 55 60

Leu Thr Glu Arg Ile Lys Tyr Asp
 65 70

<210> 308
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 308
 Ala Arg Ala Gln Pro Phe Ala Phe Gln Leu Arg Pro Ala Pro Gly Arg
 1 5 10 15

Pro Gly Ser Pro Val Ala
 20

<210> 309
 <211> 297
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (297)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 309
 Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
 1 5 10 15

Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Pro Arg
 20 25 30

Pro Leu Leu Ser His Ala Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser

35					40					45					
Leu	Xaa	Arg	Val	Pro	Gly	Glu	Ala	Glu	Ser	Leu	Cys	Ala	Leu	Ser	Pro
50						55					60				
Gly	Ser	Ala	Leu	Arg	Phe	Pro	Ala	Ala	Ser	Cys	Ser	Arg	Pro	Xaa	Arg
65					70					75					80
Glu	Pro	Ser	Gly	Asp	Glu	Gly	Thr	Ala	Gly	Ala	Leu	Pro	Ser	Pro	Trp
				85					90					95	
Leu	Ala	Ala	Leu	Gly	Pro	Gly	Gly	Arg	Pro	Ala	Val	Arg	Arg	Val	Leu
			100					105						110	
Pro	Arg	Leu	Gly	Gly	Arg	Ala	Gly	Gln	Leu	Pro	Arg	Gly	Leu	Pro	Val
		115					120					125			
Pro	Arg	Gly	Leu	Arg	His	Ala	Gly	Arg	Tyr	His	Leu	Leu	Arg	Leu	Leu
	130					135					140				
Arg	Ala	Pro	Leu	Leu	Leu	Arg	Arg	Gly	Arg	Arg	Gln	Ala	Gly	Ala	Gly
145					150					155					160
Arg	Leu	His	Gln	Arg	Pro	Pro	Arg	Thr	Gly	Ala	Pro	Arg	His	His	Cys
			165						170					175	
Ala	Ala	Cys	Leu	Arg	Pro	Leu	Ser	His	Arg	Arg	Leu	His	Leu	His	Cys
			180					185					190		
Val	His	His	Pro	Gly	Leu	Cys	Ser	Gly	Tyr	Leu	Leu	Leu	His	Leu	Phe
	195						200					205			
Glu	Thr	Gln	Gly	Ala	Leu	Ala	Ala	Ala	Asn	Pro	Leu	Leu	Thr	Pro	Gln
	210					215					220				
Leu	Ser	Asp	Arg	Asp	Pro	Ala	His	Asp	Pro	Asp	Leu	His	Gln	Pro	Gln
225					230					235					240
Gly	Thr	Leu	Pro	Ala	Val	Gln	His	Ser	His	Glu	Leu	Gln	Leu	His	Arg
				245					250					255	
Arg	Leu	His	Pro	Gln	Val	Leu	Leu	Ser	His	Leu	Val	Ser	Trp	Cys	His
			260					265					270		
Pro	Ser	Ile	Ser	Leu	Thr	Pro	Phe	Ser	Arg	Ser	Pro	His	Trp	Leu	Gly
	275						280					285			
Arg	Ala	Val	Gln	Thr	Phe	Ser	Ser	Xaa							
	290					295									

<210> 310

<211> 38

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 310
 Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
 1 5 10 15
 Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Pro Arg
 20 25 30
 Pro Leu Leu Ser His Ala
 35

<210> 311
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 311
 Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser Leu Xaa Arg Val Pro Gly
 1 5 10 15
 Glu Ala Glu Ser Leu Cys Ala Leu Ser Pro Gly Ser Ala Leu Arg Phe
 20 25 30
 Pro Ala Ala Ser Cys Ser Arg Pro
 35 40

<210> 312
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 312
 Xaa Arg Glu Pro Ser Gly Asp Glu Gly Thr Ala Gly Ala Leu Pro Ser
 1 5 10 15
 Pro Trp Leu Ala Ala Leu Gly Pro Gly Gly Arg Pro Ala Val Arg Arg
 20 25 30

Val Leu Pro Arg Leu Gly Gly Arg
 35 40

<210> 313
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 313
 Ala Gly Gln Leu Pro Arg Gly Leu Pro Val Pro Arg Gly Leu Arg His
 1 5 10 15

Ala Gly Arg Tyr His Leu Leu Arg Leu Leu Arg Ala Pro Leu Leu Leu
 20 25 30

Arg Arg Gly Arg Arg Gln Ala Gly
 35 40

<210> 314
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ala Gly Arg Leu His Gln Arg Pro Pro Arg Thr Gly Ala Pro Arg His
 1 5 10 15

His Cys Ala Ala Cys Leu Arg Pro Leu Ser His Arg Arg Leu His Leu
 20 25 30

His Cys Val His His Pro Gly Leu
 35 40

<210> 315
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 315
 Cys Ser Gly Tyr Leu Leu Leu His Leu Phe Glu Thr Gln Gly Ala Leu
 1 5 10 15

Ala Ala Ala Asn Pro Leu Leu Thr Pro Gln Leu Ser Asp Arg Asp Pro
 20 25 30

Ala His Asp Pro Asp Leu His Gln
 35 40

<210> 316
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316

Pro Gln Gly Thr Leu Pro Ala Val Gln His Ser His Glu Leu Gln Leu
1 5 10 15

His Arg Arg Leu His Pro Gln Val Leu Leu Ser His Leu Val Ser Trp
20 25 30

Cys His Pro Ser Ile Ser Leu Thr Pro Phe Ser Arg Ser Pro His Trp
35 40 45

Leu Gly Arg Ala Val Gln Thr Phe Ser Ser Xaa
50 55

<210> 317

<211> 28

<212> PRT

<213> Homo sapiens

<400> 317

Val Ala His Thr Cys Asn Leu Ser Thr Leu Gly Gly Gln Gly Gly Arg
1 5 10 15

Ile Glu Arg Thr Ala Gly Gln Glu Phe Lys Thr Ser
20 25

<210> 318

<211> 115

<212> PRT

<213> Homo sapiens

<400> 318

His Tyr Lys Ser Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Arg Gly Arg
1 5 10 15

Val Asp Glu Val Leu Thr Asn Cys His Trp Thr Tyr Leu Lys Gln Asn
20 25 30

Arg Lys Met Ala Ala Asn Ser Ser Gly Gln Ala Leu His Ser Arg Asp
35 40 45

Pro Leu Leu Ile Arg Thr Ser Gly Ile Thr Leu Ser Ser Ser Ile Leu
50 55 60

Gln Pro Asn Arg Arg Gln Leu Cys Ser Met Leu Met His Ile His Leu
65 70 75 80

Asp Thr Ser Ser Leu Lys Thr Leu His Leu Gly Thr Leu Phe Phe Leu
 85 90 95

Phe Tyr Leu Ala Leu Thr Gln Asn Glu Glu Asn Ile Cys Asp Gly Lys
 100 105 110

Val Thr Leu
 115

<210> 319

<211> 19

<212> PRT

<213> Homo sapiens

<400> 319

Thr Ile Lys Met Gln Thr Glu Asn Leu Gly Val Val Tyr Tyr Val Asn
 1 5 10 15

Lys Asp Phe

<210> 320

<211> 13

<212> PRT

<213> Homo sapiens

<400> 320

Val Glu Glu Asp Tyr Val Thr Asn Ile Arg Asn Asn Cys
 1 5 10

<210> 321

<211> 7

<212> PRT

<213> Homo sapiens

<400> 321

Met Val Ser Asn Pro Pro Tyr
 1 5

<210> 322

<211> 5

<212> PRT

<213> Homo sapiens

<400> 322

His Ala Ser Glu Leu
 1 5

<210> 323

<211> 129

<212> PRT

<213> Homo sapiens

<400> 323

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Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
 1             5             10             15

Thr His Ala Ser Glu Leu Met Pro Ile Ile Val Leu Ile Leu Val Ser
      20             25             30

Leu Leu Ser Gln Leu Met Val Ser Asn Pro Pro Tyr Ser Leu Tyr Pro
      35             40             45

Arg Ser Gly Thr Gly Gln Thr Ile Lys Met Gln Thr Glu Asn Leu Gly
 50             55             60

Val Val Tyr Tyr Val Asn Lys Asp Phe Lys Asn Glu Tyr Lys Gly Met
 65             70             75             80

Leu Leu Gln Lys Val Glu Lys Ser Val Glu Glu Asp Tyr Val Thr Asn
      85             90             95

Ile Arg Asn Asn Cys Trp Lys Glu Arg Gln Gln Lys Thr Asp Met Gln
      100            105            110

Tyr Ala Ala Lys Val Tyr Arg Asp Asp Arg Leu Arg Arg Arg Gln Met
      115            120            125

Pro

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<210> 324

<211> 35

<212> PRT

<213> Homo sapiens

<400> 324

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Leu Val Ala Leu Asp Arg Met Glu Tyr Val Arg Thr Phe Arg Lys Arg
 1             5             10             15

Glu Asp Leu Arg Gly Arg Leu Phe Trp Val Ala Leu Asp Leu Leu Asp
      20             25             30

Leu Leu Asp
      35

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<210> 325

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Ser Val Ala Leu Phe Tyr Asn Phe Gly Lys Ser Trp Lys Ser Asp Pro
1 5 10 15

Gly Ile Ile Lys Xaa Thr Glu Glu Gln Lys Lys Lys Thr Ile Val Glu
20 25 30

Leu Ala Glu Thr Gly Ser Leu Asp Leu Ser Ile Phe Cys Ser Thr Cys
35 40 45

Leu Ile Arg Lys Pro Val Arg Ser Lys His Cys Gly Val Cys Asn Arg
50 55 60

Cys Ile Ala Lys Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
65 70 75 80

Gly Ala Gly Asn His Arg Tyr Phe
85

<210> 326

<211> 12

<212> PRT

<213> Homo sapiens

<400> 326

Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
1 5 10

<210> 327

<211> 20

<212> PRT

<213> Homo sapiens

<400> 327

Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr Thr Asn Glu Arg Met
1 5 10 15

Asn Ala Arg Arg
20

<210> 328

<211> 12

<212> PRT

<213> Homo sapiens

<400> 328

Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser
1 5 10

<210> 329
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 329
 Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln Gln Pro Leu
 1 5 10 15

<210> 330
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 330
 Asn Ala Leu Val Phe Tyr Phe Ser Trp Lys Gly Cys Ser Glu Gly Asp
 1 5 10 15

 Phe Cys Val Asn Pro Cys Phe Pro Asp Pro Cys Lys Pro Phe Val Glu
 20 25 30

 Ile Ile Asn Ser Thr His Ala Ser Val Tyr Glu Ala Gly Pro Cys Trp
 35 40 45

Val

<210> 331
 <211> 307
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 331
 Ala Gly Ile Arg His Glu Arg Asn Arg Gly Arg Leu Leu Cys Met Leu
 1 5 10 15

 Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser Arg Val
 20 25 30

 Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu Ser Asp
 35 40 45

 Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala Arg Arg
 50 55 60

 Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala Glu Val
 65 70 75 80

Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys Phe Ala
 85 90 95
 Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln
 100 105 110
 Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu Val Asn
 115 120 125
 Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser Gln Asp
 130 135 140
 Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly His Gly Leu
 145 150 155 160
 Pro Lys Gly Pro Arg Val Lys Ser Thr Arg Pro Gly Ser Ser Asp Ile
 165 170 175
 Asn Val Ala Pro Gly Glu Gln Gly Pro Asp Gln Glu Glu Thr Asn Thr
 180 185 190
 Leu Val Ala Asn Thr Ser Asn Ser Asn Gly Leu Lys Leu Asp Pro Ala
 195 200 205
 Asp Pro Glu Asn Pro Arg Ser Gly Asp Thr Val Glu Val Gln Val Asn
 210 215 220
 Gly Asn Leu Val Arg Glu Pro Asp His Met Glu Leu Glu Glu Asp Arg
 225 230 235 240
 Ala Gly Gln Leu Asn Met Arg Gly Val Phe Leu His Val Leu Gly Asp
 245 250 255
 Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe Tyr Phe
 260 265 270
 Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro Cys Phe
 275 280 285
 Pro Asp Pro Cys Lys Ala Phe Val Glu Ile Leu Ile Val Leu Met His
 290 295 300
 Gln Phe Met
 305

<210> 332
 <211> 504
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (403)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332

Ala	Gly	Ile	Arg	His	Glu	Arg	Asn	Arg	Gly	Arg	Leu	Leu	Cys	Met	Leu
1				5					10					15	

Ala	Leu	Thr	Phe	Met	Phe	Met	Val	Leu	Glu	Val	Val	Val	Ser	Arg	Val
			20					25					30		

Thr	Ser	Ser	Leu	Ala	Met	Leu	Ser	Asp	Ser	Phe	His	Met	Leu	Ser	Asp
		35					40					45			

Val	Leu	Ala	Leu	Val	Val	Ala	Leu	Val	Ala	Glu	Arg	Phe	Ala	Arg	Arg
	50					55					60				

Thr	His	Ala	Thr	Gln	Lys	Asn	Thr	Phe	Gly	Trp	Ile	Arg	Ala	Glu	Val
65					70					75					80

Met	Gly	Ala	Leu	Val	Asn	Ala	Ile	Phe	Leu	Thr	Gly	Leu	Cys	Phe	Ala
				85					90					95	

Ile	Leu	Leu	Glu	Ala	Ile	Glu	Arg	Phe	Ile	Glu	Pro	His	Glu	Met	Gln
			100					105					110		

Gln	Pro	Leu	Val	Val	Leu	Gly	Val	Gly	Val	Ala	Gly	Leu	Leu	Val	Asn
		115					120					125			

Val	Leu	Gly	Leu	Cys	Leu	Phe	His	His	His	Ser	Gly	Phe	Ser	Gln	Asp
	130					135					140				

Ser	Gly	His	Xaa	His	Ser	His	Gly	Gly	His	Gly	His	Gly	His	Gly	Leu
145					150					155					160

Pro	Lys	Gly	Pro	Arg	Val	Lys	Ser	Thr	Arg	Pro	Gly	Ser	Ser	Asp	Ile
				165					170					175	

Asn	Val	Ala	Pro	Gly	Glu	Gln	Gly	Pro	Asp	Gln	Glu	Glu	Thr	Asn	Thr
			180					185					190		

Leu	Val	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Gly	Leu	Lys	Leu	Asp	Pro	Ala
		195					200					205			

Asp	Pro	Glu	Asn	Pro	Arg	Ser	Gly	Asp	Thr	Val	Glu	Val	Gln	Val	Asn
	210					215					220				

Gly	Asn	Leu	Val	Arg	Glu	Pro	Asp	His	Met	Glu	Leu	Glu	Glu	Asp	Arg
225					230					235					240

Ala	Gly	Gln	Leu	Asn	Met	Arg	Gly	Val	Phe	Leu	His	Val	Leu	Gly	Asp
				245					250					255	

Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe Tyr Phe
 260 265 270
 Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro Cys Phe
 275 280 285
 Pro Asp Pro Cys Lys Pro Phe Val Glu Ile Ile Asn Ser Thr His Ala
 290 295 300
 Ser Val Tyr Glu Ala Gly Pro Cys Trp Val Leu Tyr Leu Asp Pro Thr
 305 310 315 320
 Leu Cys Val Val Met Val Cys Ile Leu Leu Tyr Thr Thr Tyr Pro Leu
 325 330 335
 Leu Lys Glu Ser Ala Leu Ile Leu Leu Gln Thr Val Pro Lys Gln Ile
 340 345 350
 Asp Ile Arg Asn Leu Ile Lys Glu Leu Arg Asn Val Glu Gly Val Glu
 355 360 365
 Glu Val His Glu Leu His Val Trp Gln Leu Ala Gly Ser Arg Ile Ile
 370 375 380
 Ala Thr Ala His Ile Lys Cys Glu Asp Pro Thr Ser Tyr Met Glu Val
 385 390 395 400
 Ala Lys Xaa Ile Lys Asp Val Phe His Asn His Gly Ile His Ala Thr
 405 410 415
 Thr Ile Gln Pro Glu Phe Ala Ser Val Gly Ser Lys Ser Ser Val Val
 420 425 430
 Pro Cys Glu Leu Ala Cys Arg Thr Gln Cys Ala Leu Lys Gln Cys Cys
 435 440 445
 Gly Thr Leu Pro Gln Ala Pro Ser Gly Lys Asp Ala Glu Lys Thr Pro
 450 455 460
 Ala Val Ser Ile Ser Cys Leu Glu Leu Ser Asn Asn Leu Glu Lys Lys
 465 470 475 480
 Pro Arg Arg Thr Lys Ala Glu Asn Ile Pro Ala Val Val Ile Glu Ile
 485 490 495
 Lys Asn Met Pro Lys Gln Thr Thr
 500

<210> 333

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 333

Met	Phe	Thr	Phe	Ala	Ser	Met	Thr	Lys	Glu	Asp	Ser	Lys	Leu	Ile	Ala
1				5					10					15	

Leu	Ile	Trp	Pro	Ser	Glu	Trp	Gln	Met	Ile	Gln	Lys	Leu	Phe	Val	Val
			20				25						30		

Asp	His	Val	Ile	Lys	Ile	Thr	Arg	Ile	Glu	Val	Gly	Asp	Val	Asn	Pro
		35					40					45			

Ser	Glu	Thr	Gln	Tyr	Ile	Ser	Glu	Pro	Lys	Leu	Cys	Pro	Glu	Cys	Arg
	50					55					60				

Glu	Gly	Leu	Leu	Cys	Gln	Gln	Gln	Arg	Asp	Leu	Arg	Glu	Tyr	Thr	Gln
65					70					75					80

Ala	Thr	Ile	Tyr	Val	His	Lys	Val	Val	Asp	Asn	Lys	Lys	Val	Met	Lys
				85					90					95	

Asp	Ser	Ala	Pro	Glu	Leu	Asn	Val	Ser	Ser	Ser	Glu	Thr	Glu	Glu	Asp
			100					105					110		

Lys	Glu	Glu	Ala	Lys	Pro	Asp	Gly	Glu	Lys	Asp	Pro	Asp	Phe	Asn	Gln
	115						120					125			

Ser	Xaa	Gly	Gly	Thr	Lys	Arg	Gln	Lys	Ile	Ser	His	Gln	Asn	Tyr	Ile
130						135					140				

Ala	Tyr	Gln	Lys	Gln	Val	Ile	Arg	Arg	Ser	Met	Arg	His	Arg	Lys	Val
145					150					155					160

Arg	Gly	Glu	Lys	Ala	Leu	Leu	Val	Ser	Ala	Asn	Gln	Thr	Leu	Lys	Glu
				165					170					175	

Leu	Lys	Ile	Gln	Ile	Met	His	Ala	Phe	Ser	Val	Ala	Pro	Phe	Asp	Gln
		180						185					190		

Asn	Leu	Ser	Ile	Asp	Gly	Lys	Ile	Leu	Ser	Asp	Asp	Cys	Ala	Thr	Leu
	195						200					205			

Gly	Thr	Leu	Gly	Val	Ile	Pro	Glu	Ser	Val	Ile	Leu	Leu	Lys	Ala	Asp
210						215					220				

Glu	Pro	Ile	Ala	Asp	Tyr	Ala	Ala	Met	Asp	Asp	Val	Met	Gln	Val	Cys
225					230					235					240

Met	Pro	Glu	Glu	Gly	Phe	Lys	Gly	Thr	Gly	Leu	Leu	Gly	His		
				245					250						

<210> 334
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 334
 Ser Ala Pro Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys
 1 5 10 15
 Glu Glu Ala Lys Pro
 20

<210> 335
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 335
 Lys Glu Leu Lys Ile Gln Ile Met His Ala Phe Ser Val Ala Pro Phe
 1 5 10 15
 Asp Gln

<210> 336
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 336
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15
 Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30
 Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45
 Ser Ala Leu Leu Cys Pro His Gly Gly Leu
 50 55

<210> 337
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 337
 Met Phe Thr Phe Ala Ser Met Thr Lys Glu Asp Ser Lys Leu Ile Ala
 1 5 10 15
 Leu Ile Trp Pro Ser Glu Trp Gln Met Ile Gln Lys Leu Phe Val Val

	20		25		30				
Asp	His	Val	Ile	Lys	Ile	Thr	Arg	Ile	Glu
	35					40			

<210> 338
 <211> 42
 <212> PRT
 <213> Homo sapiens

Val	Gly	Asp	Val	Asn	Pro	Ser	Glu	Thr	Gln	Tyr	Ile	Ser	Glu	Pro	Lys
1				5					10					15	

Leu	Cys	Pro	Glu	Cys	Arg	Glu	Gly	Leu	Leu	Cys	Gln	Gln	Gln	Arg	Asp
			20					25						30	

Leu	Arg	Glu	Tyr	Thr	Gln	Ala	Thr	Ile	Tyr
		35					40		

<210> 339
 <211> 42
 <212> PRT
 <213> Homo sapiens

Val	His	Lys	Val	Val	Asp	Asn	Lys	Lys	Val	Met	Lys	Asp	Ser	Ala	Pro
1				5					10					15	

Glu	Leu	Asn	Val	Ser	Ser	Ser	Glu	Thr	Glu	Glu	Asp	Lys	Glu	Glu	Ala
			20					25						30	

Lys	Pro	Asp	Gly	Glu	Lys	Asp	Pro	Asp	Phe
		35					40		

<210> 340
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

Asn	Gln	Ser	Xaa	Gly	Gly	Thr	Lys	Arg	Gln	Lys	Ile	Ser	His	Gln	Asn
1				5					10					15	

Tyr	Ile	Ala	Tyr	Gln	Lys	Gln	Val	Ile	Arg	Arg	Ser	Met	Arg	His	Arg
			20					25					30		

Lys Val Arg Gly Glu Lys Ala Leu Leu Val
 35 40

<210> 341
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 341
 Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met His Ala
 1 5 10 15
 Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly Lys Ile
 20 25 30

Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr
 35 40

<210> 342
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 342
 Leu Gly Val Ile Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro
 1 5 10 15
 Ile Ala Asp Tyr Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro
 20 25 30

Glu Glu Gly Phe Lys Gly Thr Gly Leu Leu Gly His
 35 40

<210> 343
 <211> 312
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 343
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15
 Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30

Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45

Ser Ala Leu Leu Cys Pro His Gly Gly Leu Met Phe Thr Phe Ala Ser
 50 55 60
 Met Thr Lys Glu Asp Ser Lys Leu Ile Ala Leu Ile Trp Pro Ser Glu
 65 70 75 80
 Trp Gln Met Ile Gln Lys Leu Phe Val Val Asp His Val Ile Lys Ile
 85 90 95
 Thr Arg Ile Glu Val Gly Asp Val Asn Pro Ser Glu Thr Gln Tyr Ile
 100 105 110
 Ser Glu Pro Lys Leu Cys Pro Glu Cys Arg Glu Gly Leu Leu Cys Gln
 115 120 125
 Gln Gln Arg Asp Leu Arg Glu Tyr Thr Gln Ala Thr Ile Tyr Val His
 130 135 140
 Lys Val Val Asp Asn Lys Lys Val Met Lys Asp Ser Ala Pro Glu Leu
 145 150 155 160
 Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys Glu Glu Ala Lys Pro
 165 170 175
 Asp Gly Glu Lys Asp Pro Asp Phe Asn Gln Ser Xaa Gly Gly Thr Lys
 180 185 190
 Arg Gln Lys Ile Ser His Gln Asn Tyr Ile Ala Tyr Gln Lys Gln Val
 195 200 205
 Ile Arg Arg Ser Met Arg His Arg Lys Val Arg Gly Glu Lys Ala Leu
 210 215 220
 Leu Val Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met
 225 230 235 240
 His Ala Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly
 245 250 255
 Lys Ile Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr Leu Gly Val Ile
 260 265 270
 Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro Ile Ala Asp Tyr
 275 280 285
 Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro Glu Glu Gly Phe
 290 295 300
 Lys Gly Thr Gly Leu Leu Gly His
 305 310

<210> 344

<211> 18

<212> PRT

<213> Homo sapiens

<400> 344

Arg Gly Glu Arg Ser Glu Glu Leu Leu Gly Arg Glu Gly Leu Ser Gly
1 5 10 15

Ser Gln

<210> 345

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345

Ala Glu Ala Ala Glu Gly Glu Lys Gly Val Arg Ser Cys Trp Ala Glu
1 5 10 15

Arg Asp Cys Pro Ala Pro Arg Cys Trp Ala Ser Trp Gly Ala Gln Pro
20 25 30

Ser Trp Asp Gly Ser Gln Val Leu Leu Trp Arg Ser Cys Cys Cys Cys
35 40 45

Cys Cys Trp Pro Pro Ala Phe Ser Thr Asp Gly Arg Thr Val Thr Trp
50 55 60

Arg Gly Thr Val Gln Leu Gln Gly Glu Thr Glu Ser Ala Gly Pro Ser
65 70 75 80

Leu Gly Pro Ser Gly Gly Gly Ala Thr Trp Glu Ser Phe Thr Ile Thr
85 90 95

Val Ile Leu Ala Thr Tyr Leu Met Cys Arg Met Trp Ala Ser Thr Thr
100 105 110

Thr Thr Thr Pro Ala Thr Xaa Leu Thr Thr Xaa Thr Thr Thr Thr
115 120 125

Pro Thr Ala Thr Ile Pro Ala Thr Leu Ala Glu Ala Ala Val Ala Gly
 130 135 140

Ala Cys Gly Gln Gln Leu Pro Leu Pro Ser His Leu Phe Pro Gly Gln
 145 150 155 160

Val Asp Pro Met Phe Pro Cys Gly Arg Met His Leu Trp Gly Glu Arg
 165 170 175

Xaa Glu Gln

<210> 346
 <211> 268
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 346
 Gly Gly Gln Asp Gly His Phe Thr Ser Thr Cys Val Leu Ala Leu Pro
 1 5 10 15

Arg His Ala Cys His Phe Trp Gly Ser Leu Gly Val Thr Val Thr Arg
 20 25 30

Arg Ala Val Gln Pro Arg Lys Ser Thr Leu Ala Leu His Ser Pro Asn
 35 40 45

Pro Ser Ala Leu Gln Thr Gln Cys Ser Ser Ile Leu Cys Cys His Ser
 50 55 60

Thr Leu Gly His Ala Met Gln Met Gln Leu Glu Gln Ala Pro Val Tyr
 65 70 75 80

Cys Ser Xaa Arg Ser Pro Gln Arg Cys Ile Leu Pro His Gly Asn Met
 85 90 95

Gly Ser Thr Cys Pro Gly Asn Arg Trp Glu Gly Arg Gly Ser Cys Cys
 100 105 110

Pro Gln Ala Pro Ala Thr Ala Ala Ser Ala Ser Val Ala Gly Met Val
 115 120 125
 Ala Val Gly Val Val Val Val Val Xaa Val Val Arg Xaa Val Ala Gly
 130 135 140
 Val Val Val Val Val Glu Ala His Ile Arg His Met Arg Tyr Val Ala
 145 150 155 160
 Arg Met Thr Val Met Val Lys Asp Ser Gln Val Ala Pro Pro Pro Glu
 165 170 175
 Gly Pro Arg Leu Gly Pro Ala Asp Ser Val Ser Pro Cys Ser Cys Thr
 180 185 190
 Val Pro Leu His Val Thr Val Leu Pro Ser Val Glu Lys Ala Gly Gly
 195 200 205
 Gln Gln Gln Gln Gln Gln Gln Asp Arg His Ser Ser Thr Cys Asp Pro
 210 215 220
 Ser His Glu Gly Cys Ala Pro Gln Glu Ala Gln His Leu Gly Ala Gly
 225 230 235 240
 Gln Ser Leu Ser Ala Gln Gln Leu Leu Thr Pro Phe Ser Pro Ser Ala
 245 250 255
 Ala Ser Ala Gln Pro Ser Gln Ser Leu Asn Phe Val
 260 265

<210> 347
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 347
 Phe His Gly Leu Gly Arg Leu His Thr Val His Leu
 1 5 10

<210> 348
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 348
 Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu Ser Asp
 1 5 10 15

Asn Ala Gln Leu Arg
 20

<210> 349

<211> 9

<212> PRT

<213> Homo sapiens

<400> 349

Ala Phe Arg Gly Leu His Ser Leu Asp

1 5

<210> 350

<211> 12

<212> PRT

<213> Homo sapiens

<400> 350

His Glu Val Pro Asp Ala Pro Arg Pro Thr Pro Thr

1 5 10

<210> 351

<211> 101

<212> PRT

<213> Homo sapiens

<400> 351

Met Val Val Ala Asp Arg Asn Arg Ala Ser Ser Ser Ser Tyr Leu Cys

1 5 10 15

Leu Leu Leu Phe Ser Leu Ser Leu Phe Leu Cys His Glu Thr Val Cys

20 25 30

Asp Arg Ala Thr Cys Leu Phe Phe Phe Leu Lys Phe Phe Phe Leu Phe

35 40 45

Met Cys Arg Cys Met Ser Trp Gly Phe Lys Asn Phe Lys Ala Gly Leu

50 55 60

Leu Met Gln Ser Met Pro Thr Ser Gly Ile Leu Arg Glu Arg Lys Arg

65 70 75 80

Leu His Val Val Arg Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr

85 90 95

Val Glu Met Gln Ile

100

<210> 352

<211> 12

<212> PRT

<213> Homo sapiens

<400> 352

Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr Val

1 5 10

<210> 353

<211> 37

<212> PRT

<213> Homo sapiens

<400> 353

Asn Pro Arg Leu Pro Leu Pro Arg Gly Gly Ser Leu Arg Leu Leu Ser
1 5 10 15

Ser Pro Ala Asn Ser Asn Asn Ala Lys Ala Tyr Pro Phe Ser Arg Phe
20 25 30

Pro Ser Pro Ile Phe
35

<210> 354

<211> 48

<212> PRT

<213> Homo sapiens

<400> 354

Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser His
1 5 10 15

Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly Trp
20 25 30

Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser Cys
35 40 45

<210> 355

<211> 122

<212> PRT

<213> Homo sapiens

<400> 355

Ala Leu Ala Ser Ser Leu Val Ala Glu Asn Gln Gly Phe Val Ala Ala
1 5 10 15

Leu Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser
20 25 30

His Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly
35 40 45

Trp Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser
50 55 60

Cys Met His Pro Trp Arg Leu Ser Met Cys Pro Ala Cys Val Leu Ala
 65 70 75 80

Ala Leu Pro Ala Leu Cys Ser Cys Leu Cys Ser Pro Asp Ala Arg Pro
 85 90 95

Pro His Gly Trp Met Ser Met Pro Phe Thr Pro His Pro Leu Val Ser
 100 105 110

Arg Ala Met Pro Thr Cys His Pro Cys Ser
 115 120

<210> 356

<211> 33

<212> PRT

<213> Homo sapiens

<400> 356

Phe Tyr Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn
 1 5 10 15

Val Phe Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln
 20 25 30

Phe

<210> 357

<211> 15

<212> PRT

<213> Homo sapiens

<400> 357

Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu Gly Trp Val
 1 5 10 15

<210> 358

<211> 21

<212> PRT

<213> Homo sapiens

<400> 358

His Glu Gly Thr Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu
 1 5 10 15

Gly Trp Val Phe Leu
 20

<210> 359

<211> 8

<212> PRT

<213> Homo sapiens

<400> 359

Cys Lys Thr Ser Phe Gly Leu Ala

1 5

<210> 360

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 360

Met Ile Thr Leu Ser Ser Ala Phe Ser Ala Lys Gln Lys Thr His Ala
1 5 10 15

His Lys Asn Thr His Ala Cys Met Cys Ala Thr Asp Met Ala Asn Pro
20 25 30

Lys Leu Val Leu His Phe Glu Val Ile Val Ala Leu Leu Ser Leu Leu
35 40 45

Gln Thr Ile Leu Ser Leu Leu Leu Gly Gln Arg Thr Trp Leu Ala His
50 55 60

Leu Tyr Val Leu Ser Thr Glu Asn Xaa Ala Leu His Thr Val Gly Thr
65 70 75 80

Gln Lys His Leu Leu Pro His Asp Trp Cys Phe Gly Lys His Cys Val
85 90 95

Ser Cys Arg His His Ile Phe His Arg Phe Cys Ser Ile Phe Ser Ser
100 105 110

Thr Leu Lys Arg Ser Gln Gly Phe Glu Gly
115 120

<210> 361

<211> 13

<212> PRT

<213> Homo sapiens

<400> 361

Cys Ala Ala Pro Gly Asn Lys Thr Ser His Leu Ala Ala

1 5 10

<210> 362

<211> 24
 <212> PRT
 <213> Homo sapiens

<400> 362
 Glu His Pro Leu Tyr Arg Ala Gly His Leu Ile Leu Gln Asp Arg Ala
 1 5 10 15
 Ser Cys Leu Pro Ala Met Leu Leu
 20

<210> 363
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 363
 Leu Leu Asp Pro Ser Cys Ser Gly Ser Gly Met Pro Ser Arg Gln
 1 5 10 15

<210> 364
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 364
 Tyr Ser Thr Cys Ser Leu Cys Gln Glu Glu Asn Glu Asp Val Val Arg
 1 5 10 15
 Asp Ala Leu Gln Gln Asn Pro
 20

<210> 365
 <211> 470
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (296)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (301)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (306)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (324)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (431)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 365
 Ser Ala Thr Glu His Gly Ala Val Cys Cys Ser Cys Arg Arg Val Gly
 1 5 10 15
 Arg Arg Gly Glu Pro Pro Gly Ser Ile Lys Gly Leu Val Tyr Ser Ser
 20 25 30
 Asn Phe Gln Asn Val Lys Gln Leu Tyr Ala Leu Val Cys Glu Thr Gln
 35 40 45
 Arg Tyr Ser Ala Val Leu Asp Ala Val Ile Ala Ser Ala Gly Leu Leu
 50 55 60
 Arg Ala Glu Lys Lys Leu Arg Pro His Leu Ala Lys Val Leu Val Tyr
 65 70 75 80
 Glu Leu Leu Leu Gly Lys Gly Phe Arg Gly Gly Gly Gly Arg Trp Lys
 85 90 95
 Ala Leu Leu Gly Arg His Gln Ala Arg Leu Lys Ala Glu Leu Ala Arg
 100 105 110
 Leu Lys Val His Arg Gly Val Ser Arg Asn Glu Asp Leu Leu Glu Val
 115 120 125
 Gly Ser Arg Pro Gly Pro Ala Ser Gln Leu Pro Arg Phe Val Arg Val
 130 135 140
 Asn Thr Leu Lys Thr Cys Ser Asp Asp Val Val Asp Tyr Phe Lys Arg
 145 150 155 160
 Gln Gly Phe Ser Tyr Gln Gly Arg Ala Ser Ser Leu Asp Asp Leu Arg
 165 170 175
 Ala Leu Lys Gly Lys His Phe Leu Leu Asp Pro Leu Met Pro Glu Leu
 180 185 190
 Leu Val Phe Pro Ala Gln Thr Asp Leu His Glu His Pro Leu Tyr Arg
 195 200 205

Ala	Gly	His	Leu	Ile	Leu	Gln	Asp	Arg	Ala	Ser	Cys	Leu	Pro	Ala	Met	
210						215					220					
Leu	Leu	Asp	Pro	Pro	Pro	Gly	Ser	His	Val	Ile	Asp	Ala	Cys	Ala	Ala	
225					230					235					240	
Pro	Gly	Asn	Lys	Thr	Ser	His	Leu	Ala	Ala	Leu	Leu	Lys	Asn	Gln	Gly	
				245					250					255		
Lys	Ile	Phe	Ala	Phe	Asp	Leu	Asp	Ala	Lys	Arg	Leu	Ala	Ser	Met	Ala	
			260					265						270		
Thr	Leu	Leu	Ala	Xaa	Ala	Gly	Val	Ser	Cys	Cys	Glu	Leu	Ala	Glu	Glu	
			275				280							285		
Asp	Phe	Leu	Ala	Val	Ser	Pro	Xaa	Asp	Pro	Arg	Tyr	Xaa	Glu	Val	His	
			290				295				300					
Tyr	Xaa	Leu	Leu	Asp	Pro	Ser	Cys	Ser	Gly	Ser	Gly	Met	Pro	Ser	Arg	
305					310					315					320	
Gln	Leu	Glu	Xaa	Pro	Gly	Ala	Gly	Thr	Pro	Ser	Pro	Val	Arg	Leu	His	
				325					330						335	
Ala	Leu	Ala	Gly	Phe	Gln	Gln	Arg	Ala	Leu	Cys	His	Ala	Leu	Thr	Phe	
			340					345						350		
Pro	Ser	Leu	Gln	Arg	Leu	Val	Tyr	Ser	Thr	Cys	Ser	Leu	Cys	Gln	Glu	
			355				360							365		
Glu	Asn	Glu	Asp	Val	Val	Arg	Asp	Ala	Leu	Gln	Gln	Asn	Pro	Gly	Ala	
			370			375								380		
Phe	Arg	Leu	Ala	Pro	Ala	Leu	Pro	Ala	Trp	Pro	His	Arg	Gly	Leu	Ser	
385					390					395					400	
Thr	Phe	Pro	Gly	Ala	Glu	His	Cys	Leu	Arg	Ala	Ser	Pro	Glu	Thr	Thr	
				405					410					415		
Leu	Ser	Ser	Gly	Phe	Phe	Val	Ala	Val	Ile	Glu	Arg	Val	Glu	Xaa	Pro	
			420					425						430		
Ser	Ser	Ala	Ser	Gln	Ala	Lys	Ala	Ser	Ala	Pro	Glu	Arg	Thr	Pro	Ser	
			435				440						445			
Pro	Ala	Pro	Lys	Arg	Lys	Lys	Arg	Gln	Gln	Arg	Ala	Ala	Ala	Gly	Ala	
			450			455								460		
Cys	Thr	Pro	Pro	Cys	Thr											
465					470											

<210> 366

<211> 429

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (236)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (260)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (265)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (418)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 366

Tyr	Glu	Pro	His	Ser	Thr	His	Ser	Arg	Glu	Arg	Ala	Met	Thr	Ser	His
1				5					10					15	

Ala	Arg	Val	Ser	Leu	Gly	Pro	Ser	Arg	Asp	Pro	Leu	Glu	Arg	Pro	His
			20					25					30		

Leu	Ala	Lys	Val	Leu	Val	Tyr	Glu	Leu	Leu	Leu	Gly	Lys	Gly	Phe	Arg
		35						40				45			

Gly	Gly	Gly	Gly	Arg	Trp	Lys	Ala	Leu	Leu	Gly	Arg	His	Gln	Ala	Arg
		50				55					60				

Leu	Lys	Ala	Glu	Leu	Ala	Arg	Leu	Lys	Val	His	Arg	Gly	Val	Ser	Arg
65					70					75					80

Asn	Glu	Asp	Leu	Leu	Glu	Val	Gly	Ser	Arg	Pro	Gly	Pro	Ala	Ser	Gln
			85						90					95	

Leu	Pro	Arg	Phe	Val	Arg	Val	Asn	Thr	Leu	Lys	Thr	Cys	Ser	Asp	Asp
		100					105						110		

Val	Val	Asp	Tyr	Phe	Lys	Arg	Gln	Gly	Phe	Ser	Tyr	Gln	Gly	Arg	Ala
		115					120					125			

Ser	Ser	Leu	Asp	Asp	Leu	Arg	Ala	Leu	Lys	Gly	Lys	His	Phe	Leu	Leu
		130				135					140				

Asp	Pro	Leu	Met	Pro	Glu	Leu	Leu	Val	Phe	Pro	Ala	Gln	Thr	Asp	Leu
145					150					155					160
His	Glu	His	Pro	Leu	Tyr	Arg	Ala	Gly	His	Leu	Ile	Leu	Gln	Asp	Arg
				165					170					175	
Ala	Ser	Cys	Leu	Pro	Ala	Met	Leu	Leu	Asp	Pro	Pro	Pro	Gly	Ser	His
			180					185					190		
Val	Ile	Asp	Ala	Cys	Ala	Ala	Pro	Gly	Asn	Lys	Thr	Ser	His	Leu	Ala
		195					200					205			
Ala	Leu	Leu	Lys	Asn	Gln	Gly	Lys	Ile	Phe	Ala	Phe	Asp	Leu	Asp	Ala
	210					215						220			
Lys	Arg	Leu	Ala	Ser	Met	Ala	Thr	Leu	Leu	Ala	Xaa	Ala	Gly	Val	Ser
225					230					235					240
Cys	Cys	Glu	Leu	Ala	Glu	Glu	Asp	Phe	Leu	Ala	Val	Ser	Pro	Xaa	Asp
				245					250					255	
Pro	Arg	Tyr	Xaa	Glu	Val	His	Tyr	Xaa	Leu	Leu	Asp	Pro	Ser	Cys	Ser
			260					265						270	
Gly	Ser	Gly	Met	Pro	Ser	Arg	Gln	Leu	Glu	Glu	Pro	Gly	Ala	Gly	Thr
		275					280						285		
Pro	Ser	Pro	Val	Arg	Leu	His	Ala	Leu	Ala	Gly	Phe	Gln	Gln	Arg	Ala
	290					295					300				
Leu	Cys	His	Ala	Leu	Thr	Phe	Pro	Ser	Leu	Gln	Arg	Leu	Val	Tyr	Ser
305					310					315					320
Thr	Cys	Ser	Leu	Cys	Gln	Glu	Glu	Asn	Glu	Asp	Val	Val	Arg	Asp	Ala
				325					330					335	
Leu	Gln	Gln	Asn	Pro	Gly	Ala	Phe	Arg	Leu	Ala	Pro	Ala	Leu	Pro	Ala
			340					345					350		
Trp	Pro	His	Arg	Gly	Leu	Ser	Thr	Phe	Pro	Gly	Ala	Glu	His	Cys	Leu
		355					360					365			
Arg	Ala	Ser	Pro	Glu	Thr	Thr	Leu	Ser	Ser	Gly	Phe	Phe	Val	Ala	Val
	370					375					380				
Ile	Glu	Arg	Val	Glu	Val	Pro	Ser	Ser	Ala	Ser	Gln	Ala	Lys	Ala	Ser
385					390					395					400
Ala	Pro	Glu	Arg	Thr	Pro	Ser	Pro	Ala	Pro	Lys	Arg	Lys	Lys	Arg	Gln
				405					410					415	
Gln	Xaa	Ala	Ala	Ala	Gly	Ala	Cys	Thr	Pro	Pro	Cys	Thr			
			420					425							

<210> 367

<211> 245

<212> PRT

<213> Homo sapiens

<400> 367

Met	Gly	Thr	His	Ser	Val	Ser	Gly	Arg	Phe	Ser	Lys	Thr	Ser	Pro	Pro
1				5					10					15	

Tyr	Cys	Pro	Pro	Ser	Ser	Ser	Leu	Pro	Gly	Pro	Ile	Ser	Ser	Ile	Gly
			20					25					30		

Phe	Asn	Lys	Ser	Leu	His	Glu	Cys	Leu	Phe	Ile	Ser	Glu	Lys	Glu	Leu
		35					40					45			

Leu	Pro	Leu	Pro	Phe	Pro	Phe	Pro	Asp	Leu	Lys	Ser	Phe	Ile	Ser	Tyr
	50					55					60				

Leu	Thr	Ser	Met	Leu	Lys	Pro	Gly	Pro	Leu	Ile	Val	Ser	Leu	Lys	Ile
65					70					75					80

Trp	Val	Ser	Tyr	Pro	Ile	Thr	Arg	Pro	Arg	Tyr	Leu	Pro	Pro	Met	Leu
				85					90						95

Lys	Ser	Leu	Asn	Ile	Ser	Phe	Leu	Tyr	Ile	Gln	Tyr	Ile	Trp	Ala	Tyr
			100					105						110	

Ile	His	Leu	Tyr	Thr	Ser	Phe	Tyr	Ile	Tyr	Ile	Ile	Ser	Val	Ser	Phe
		115					120						125		

Phe	Leu	Asp	Lys	Pro	Phe	Ile	Tyr	Val	Ile	Ser	Phe	Pro	Lys	Pro	Pro
	130					135						140			

His	Phe	Leu	Phe	Ala	Ser	Leu	Ser	Lys	Thr	Gln	Glu	Phe	His	Phe	His
145					150					155					160

Val	Pro	Gln	His	His	Phe	Phe	Leu	Ile	Phe	Ser	Pro	Gln	Val	Ser	Ser
				165					170					175	

Pro	Ile	Ser	Cys	Phe	Ala	Arg	Leu	Leu	Lys	Ser	Pro	Leu	Phe	Thr	Pro
			180					185						190	

Val	Pro	Thr	Glu	Ile	Ser	Pro	Phe	Tyr	Asn	Cys	Ala	Tyr	Tyr	Ser	Ala
		195					200						205		

Asp	Ile	Pro	Ser	Pro	Gln	Leu	Val	Trp	Gly	Pro	Ile	Ser	His	Gln	Thr
	210					215						220			

Trp	Leu	Leu	Leu	Lys	Leu	Gly	Leu	Leu	Pro	Lys	Arg	Gly	Phe	Gln	Val
225					230					235					240

Arg	Gly	Asp	Arg	Leu
				245

<210> 368
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 368
 Cys Phe Ala Arg Leu Leu Lys Ser Pro Leu Phe Thr Pro Val Pro Thr
 1 5 10 15
 Glu Ile Ser Pro Phe Tyr Asn Cys Ala Tyr Tyr Ser Ala
 20 25

<210> 369
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
 Asn Arg Glu Gln Lys Ala Lys Ser Gln Leu Leu Arg Ser Gln Leu Tyr
 1 5 10 15
 Ser Thr Leu Asp Leu Pro Tyr Phe Phe Gln Cys Val Gly Thr Arg Cys
 20 25 30
 Thr Ala Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Xaa Tyr
 35 40 45
 Leu Pro Ile His Trp Gln Val Asn Leu His Leu Val Tyr Leu Ala Met
 50 55 60
 Leu Cys Phe Leu Pro Ile Pro Leu Leu Ser Ile Leu Ser Pro Gln Thr
 65 70 75 80
 Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe Leu
 85 90 95
 Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
 100 105 110

<210> 370
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 370
 Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
 1 5 10 15

Gly Ser Arg Gly Pro Gly Arg Leu Leu Ala Ala Val Ser Ala Pro Arg
 20 25 30

Leu Gly Leu Gly Leu Ala Gly Ala Asp Pro Val Gly Pro Glu Ala Cys
 35 40 45

His Leu Pro
 50

<210> 371

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 371

Gly Arg Leu Arg Gly Pro Asp Glu Val Gly Ala Pro Phe His Pro Gly
 1 5 10 15

Pro Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa
 20 25 30

His Trp Leu Pro Ser Leu Trp Gly Pro Thr
 35 40

<210> 372

<211> 19

<212> PRT

<213> Homo sapiens

<400> 372

Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
 1 5 10 15

Gly Ser Arg

<210> 373

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa His
 1 5 10 15

Trp Leu Pro

<210> 374

<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (241)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 374

Gln Trp Pro Glu Lys Asp Pro Val Met Ala Ala Ser Ser Ile Ser Ser
 1 5 10 15

Pro Trp Gly Lys His Val Phe Lys Ala Ile Leu Met Val Leu Val Ala
 20 25 30

Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser Arg Arg Asp Phe Ala
 35 40 45

Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val Asp Val Leu Thr Gln
 50 55 60

Ile Gly Arg Ser Val Arg Gly Thr Leu Asp Ala Trp Ile Gly Pro Glu
 65 70 75 80

Thr Met His Leu Val Ser Glu Ser Ser Ser Gln Val Leu Trp Ala Ile
 85 90 95

Ser Ser Ala Ile Ser Val Ala Phe Phe Ala Leu Ser Gly Ile Ala Ala
 100 105 110

Gln Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp Tyr Leu Ala Gln Gly
 115 120 125

Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe Leu Leu Trp Gly Ala
 130 135 140

Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu Leu Leu Gly Leu Val
 145 150 155 160

Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu Lys Leu Val Ile Phe
 165 170 175

Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val Pro Asp Pro Ser Thr
 180 185 190
 Arg Ala Leu Leu Leu Leu Ala Leu Leu Ile Leu Tyr Ala Leu Leu Ser
 195 200 205
 Arg Xaa Thr Gly Ser Arg Ala Ser Gly Ala Gln Leu Glu Ala Lys Val
 210 215 220
 Arg Gly Leu Glu Arg Gln Val Glu Glu Leu Arg Trp Arg Gln Arg Gln
 225 230 235 240
 Xaa Ala Lys Gly Ala Arg Ser Val Glu Glu Glu
 245 250

<210> 375
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 375
 Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
 1 5 10 15
 Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
 20 25 30
 Val Phe Val Leu Phe Cys Asp Glu Val Arg Gln Trp Tyr Val Asn Gly
 35 40 45
 Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp Thr Leu Gly Leu
 50 55 60

Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His Ser Ser Asn Lys
 65 70 75 80

Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu Asp Tyr Ile Ile
 85 90 95

Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser Arg Asn Leu Gly
 100 105 110

Pro Lys Ile Ile
 115

<210> 376

<211> 12

<212> PRT

<213> Homo sapiens

<400> 376

Asn Ile Leu Leu Val Asn Leu Leu Val Ala Met Phe
 1 5 10

<210> 377

<211> 10

<212> PRT

<213> Homo sapiens

<400> 377

Gln Val Trp Lys Phe Gln Arg Tyr Phe Leu
 1 5 10

<210> 378

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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 <220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 378
 Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
 1 5 10 15
 Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
 20 25 30

Val	Phe	Val	Leu	Phe	Cys	Asp	Glu	Val	Arg	Gln	Trp	Tyr	Val	Asn	Gly	35	40	45
Val	Asn	Tyr	Phe	Thr	Asp	Leu	Trp	Asn	Val	Met	Asp	Thr	Leu	Gly	Leu	50	55	60
Phe	Tyr	Phe	Ile	Ala	Gly	Ile	Val	Phe	Arg	Leu	His	Ser	Ser	Asn	Lys	65	70	75
Ser	Ser	Leu	Tyr	Ser	Gly	Arg	Val	Ile	Phe	Cys	Leu	Asp	Tyr	Ile	Ile	85	90	95
Phe	Thr	Leu	Arg	Leu	Ile	His	Ile	Phe	Thr	Val	Ser	Arg	Asn	Leu	Gly	100	105	110
Pro	Lys	Ile	Ile	Met	Leu	Gln	Arg	Met	Leu	Ile	Asp	Val	Xaa	Xaa	Phe	115	120	125
Leu	Phe	Leu	Phe	Ala	Val	Trp	Met	Val	Ala	Phe	Gly	Val	Ala	Xaa	Gln	130	135	140
Gly	Ile	Leu	Arg	Gln	Asn	Glu	Gln	Arg	Trp	Arg	Trp	Ile	Phe	Arg	Ser	145	150	155
Val	Ile	Tyr	Glu	Pro	Xaa	Leu	Ala	Met	Phe	Gly	Gln	Val	Pro	Ser	Xaa	165	170	175
Val	Asp	Gly	Thr	Thr	Tyr	Asp	Phe	Ala	His	Cys	Thr	Phe	Thr	Gly	Asn	180	185	190
Glu	Ser	Lys	Pro	Leu	Cys	Val	Xaa	Leu	Asp	Glu	His	Asn	Leu	Pro	Arg	195	200	205
Phe	Pro	Glu	Trp	Ile	Thr	Ile	Pro	Leu	Val	Cys	Ile	Tyr	Met	Leu	Ser	210	215	220
Thr	Asn	Ile	Leu	Leu	Val	Asn	Leu	Leu	Val	Ala	Met	Phe	Gly	Tyr	Thr	225	230	235
Val	Gly	Thr	Val	Gln	Glu	Asn	Asn	Asp	Gln	Val	Trp	Lys	Phe	Gln	Arg	245	250	255
Tyr	Phe	Leu	Val	Gln	Glu	Tyr	Cys	Ser	Arg	Leu	Asn	Ile	Pro	Phe	Pro	260	265	270
Phe	Ile	Val	Phe	Ala	Tyr	Phe	Tyr	Met	Val	Val	Lys	Lys	Cys	Phe	Lys	275	280	285
Cys	Cys	Cys	Lys	Glu	Xaa	Asn	Xaa	Glu	Ser	Ser	Val	Cys	Cys	Ser	Lys	290	295	300
Met	Xaa	Thr	Met	Arg	Leu	Trp	His	Gly	Arg	Val	Ser					305	310	315

<210> 379
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 379
 Met Glu Phe Gln Asn Met Tyr Ile Gln Leu Phe Gly Phe Ser Phe Phe
 1 5 10 15
 Ile Val Ile Ile Val Arg Met Leu Leu Leu Gly Leu Cys Val Ser Ala
 20 25 30
 Arg Gln Pro Val Met Pro Arg Ala Thr Leu Trp Gly His Leu Ser Pro
 35 40 45
 Ala Trp Val Leu Val Pro Trp Thr Pro Arg Ala Cys Gly Gln Ala Ala
 50 55 60
 Pro Gly Arg Gly His Val Ala Ser Asp His Lys Ser Gly Leu Pro Trp
 65 70 75 80
 Pro Lys His Cys Ser Cys Leu His Pro Arg Ala Ser Gln Pro Cys Leu
 85 90 95
 Phe Ser Leu Asn Ser Asn Arg Thr Val Phe Thr Ala Ile Gln Arg Val
 100 105 110
 Ala Leu Gly Trp Thr Phe Trp Val Gln Ala Asn Leu Val Pro Arg Cys
 115 120 125
 Thr

<210> 380
 <211> 417
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<222> (249)
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<220>
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<222> (252)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (322)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (348)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (402)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 380

Leu	Leu	Leu	Cys	Val	Thr	Gly	Val	Tyr	Ser	Tyr	Gly	Leu	Met	His	Pro
1				5					10					15	

Ile	Pro	Ser	Ser	Phe	Met	Ile	Lys	Ala	Val	Ser	Ser	Phe	Leu	Thr	Ala
			20					25					30		

Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe	Met	Lys	Val	Leu
		35					40					45			

Gln	Ala	Arg	Lys	Asn	Xaa	Thr	Ser	Thr	Glu	Leu	Ile	Val	Glu	Pro	Glu
	50					55					60				

Glu	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly	Phe	Gly	Ser	Glu
65					70					75					80

Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Xaa	Ile	Ser	Thr	Leu	Ser	Tyr
				85					90					95	

Ile	Leu	Pro	Tyr	Phe	Ser	Ala	Val	Asn	Leu	Asp	Val	Xaa	Ser	Xaa	Leu
			100					105					110		

Leu	Pro	Phe	Ile	Lys	Leu	Pro	Thr	Xaa	Gly	Asn	Ser	Leu	Ala	Lys	Ile
		115					120					125			

Gln	Thr	Val	Gly	Gln	Asn	Xaa	Gln	Xaa	Val	Xaa	Arg	Val	Leu	Met	Gly
	130					135					140				

Pro	Arg	Ser	Ile	Gln	Lys	Arg	His	Phe	Lys	Glu	Val	Gly	Arg	Gln	Ser
145					150					155					160

Ile	Arg	Arg	Glu	Gln	Gly	Ala	Gln	Ala	Ser	Val	Glu	Asn	Ala	Ala	Glu
				165					170						175

Glu	Lys	Arg	Leu	Gly	Ser	Pro	Ala	Pro	Arg	Glu	Xaa	Glu	Gln	Pro	His
			180					185					190		

Thr	Gln	Gln	Gly	Pro	Glu	Lys	Leu	Ala	Gly	Asn	Ala	Xaa	Tyr	Thr	Lys
		195					200					205			

Pro	Ser	Phe	Thr	Gln	Glu	His	Lys	Ala	Ala	Val	Ser	Val	Leu	Xaa	Pro
	210					215					220				

Phe	Ser	Lys	Gly	Ala	Pro	Ser	Thr	Ser	Ser	Pro	Ala	Lys	Ala	Leu	Pro
225					230					235					240

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<210> 381
<211> 94
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids
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Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
1 5 10 15

Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
20 25 30

Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile

35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn Leu Pro Pro Gly Gly Gly Leu Ala
 50 55 60
 Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His
 65 70 75 80
 Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp Pro Trp
 85 90

<210> 382
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 382
 Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
 1 5 10 15
 Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
 20 25 30
 Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn
 50 55

<210> 383
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 383
 Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His Arg Glu
 1 5 10 15
 Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp
 20 25

<210> 384
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 384
 Asp Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met
 1 5 10 15

<210> 385
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 385
 Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 1 5 10 15
 Leu Ser Ala Glu Asn Ile Pro Asn
 20

<210> 386
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 386
 Cys Phe Ser Asn Ala Pro Lys Val Ser
 1 5

<210> 387
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 387
 Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
 1 5 10 15
 Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
 20 25 30
 Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
 35 40 45
 Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
 50 55 60
 His Gly Lys Tyr Ser
 65

<210> 388
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 388
 Ile Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly
 1 5 10 15

<210> 389

<211> 14

<212> PRT

<213> Homo sapiens

<400> 389

Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys
1 5 10

<210> 390

<211> 15

<212> PRT

<213> Homo sapiens

<400> 390

Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala
1 5 10 15

<210> 391

<211> 15

<212> PRT

<213> Homo sapiens

<400> 391

Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu
1 5 10 15

<210> 392

<211> 171

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 392

Val Leu Ile Pro Ser Phe Ser Ser Ser Phe Leu Cys Ser Arg Gly Gly
1 5 10 15

Pro Leu Pro Xaa Asp Leu Ser Trp Asp Pro Met Ala Phe Phe Thr Gly
20 25 30

Leu Trp Gly Pro Phe Thr Cys Val Ser Arg Val Leu Ser His His Cys
35 40 45

Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile Gln Lys Met Thr Arg Val
 50 55 60
 Arg Val Val Asp Asn Ser Ala Leu Gly Asn Ser Pro Tyr His Arg Ala
 65 70 75 80
 Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys Val Gly
 85 90 95
 Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala Leu Ile
 100 105 110
 Val Gly His Cys Met Pro Gly Pro Arg Met Thr Pro Arg Phe Asp Ser
 115 120 125
 Asn Asn Val Val Leu Ile Glu Asp Asn Gly Asn Pro Val Gly Thr Arg
 130 135 140
 Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg Lys Arg Glu Gly Glu Tyr
 145 150 155 160
 Ser Lys Val Leu Ala Ile Ala Gln Asn Phe Val
 165 170

<210> 393

<211> 171

<212> PRT

<213> Homo sapiens

<400> 393

Ala Arg Val Val Gln Pro Ala Ala Arg Ala Gly Met Trp Ala Gly Gly
 1 5 10 15
 Arg Ser Ser Cys Gln Ala Glu Val Leu Arg Ala Thr Arg Gly Gly Ala
 20 25 30
 Ala Arg Gly Asn Ala Ala Pro Gly Arg Ala Leu Glu Met Val Pro Gly
 35 40 45
 Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro Ala Cys Val Ala
 50 55 60
 Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe Gln Val Leu Ser
 65 70 75 80
 Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro Ala Lys Asp Phe
 85 90 95
 Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His Leu Val Pro Ala
 100 105 110
 Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly Phe Phe Ile Gln
 115 120 125

Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser Phe Leu Ser Lys
 130 135 140

Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val Ile Ile Ser Asp
 145 150 155 160

Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
 165 170

<210> 394

<211> 188

<212> PRT

<213> Homo sapiens

<400> 394

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
 1 5 10 15

Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
 20 25 30

Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
 115 120 125

Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
 130 135 140

Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
 145 150 155 160

Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
 165 170 175

Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
 180 185

<210> 395

<211> 70

<212> PRT

<213> Homo sapiens

<400> 395

Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met	Ile	Gln	Asp	Ser	Thr	Gln
1				5					10					15	
Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu	Leu	Gly	Arg	Asp	Gly	Tyr
			20					25					30		
Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly	Leu	Pro	Trp	Ala	Ile	Ile
		35					40					45			
Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro	Thr	Phe	Glu	Leu	Leu	Gln
	50					55					60				
Pro	Pro	Trp	Thr	Phe	Trp										
65					70										

<210> 396

<211> 187

<212> PRT

<213> Homo sapiens

<400> 396

Ile	Ala	Thr	Ala	Ala	Leu	Phe	Phe	Phe	Phe	Tyr	Cys	Gln	Val	Ala	Gly
1				5					10					15	
Phe	Ile	Gly	Lys	Gly	Gln	Ser	Leu	Arg	Ser	Trp	Val	Pro	Gln	Arg	Leu
			20					25					30		
Leu	Gly	Leu	Glu	Pro	Gln	Leu	Gln	Pro	Met	Gln	Gln	Ser	Arg	Leu	Leu
		35					40					45			
Leu	Pro	Phe	Leu	Phe	Phe	Leu	Leu	Glu	Gly	Cys	Ala	Pro	Ser	Ser	Leu
	50					55					60				
Gly	Pro	Gly	Ala	Ala	Pro	Gly	Ser	Gly	His	Ser	Leu	Gly	Pro	Pro	Gly
65					70				75						80
Ser	Pro	Gly	Ala	Pro	Gly	Pro	Gln	Pro	Ala	Val	Gly	Pro	Ser	Ser	Pro
			85					90						95	
Cys	Gln	Pro	Gly	Pro	Ser	Pro	Ser	Ser	Pro	Ala	Ala	Ala	Ala	Ala	Ser
		100						105					110		
Ser	Gln	Ser	Ser	Val	Ala	Ser	Trp	Pro	Cys	Thr	Leu	Arg	Cys	Ala	Ala
	115						120					125			
Pro	Ser	Pro	Asp	Ala	Ser	Ala	Leu	Arg	Pro	Ala	Ala	Ser	Pro	Ala	Ala
	130					135					140				
Thr	Pro	Ala	Trp	Ser	Pro	Gly	Ser	Gly	Thr	Ile	Arg	Val	Leu	Arg	Pro
145					150					155					160

Pro Ala Pro Ala Ala Ala Pro Ala Thr Ala Ile Thr Asn Arg Gly Pro
 165 170 175

Pro Arg Arg Arg Arg Arg Asn Ala Arg Thr Ala
 180 185

<210> 397

<211> 194

<212> PRT

<213> Homo sapiens

<400> 397

Glu Arg Pro Pro Pro Arg Arg Thr Gly Thr Pro Val Ala Arg Pro Arg
 1 5 10 15

Gly Pro Pro Asp Pro Ala Val Ala Ala Gly Thr Ala Leu Arg Ala Lys
 20 25 30

Gln Phe Ala Arg Tyr Gly Ala Ala Ser Gly Val Val Pro Gly Ser Leu
 35 40 45

Trp Pro Ser Pro Glu Gln Leu Arg Glu Leu Glu Ala Glu Glu Arg Glu
 50 55 60

Trp Tyr Pro Ser Leu Ala Thr Met Gln Glu Ser Leu Arg Val Lys Gln
 65 70 75 80

Leu Ala Glu Glu Gln Lys Arg Arg Glu Arg Glu Gln His Ile Ala Glu
 85 90 95

Cys Met Ala Lys Met Pro Gln Met Ile Val Asn Trp Gln Gln Gln Gln
 100 105 110

Arg Glu Asn Trp Glu Lys Ala Gln Ala Asp Lys Glu Arg Arg Ala Arg
 115 120 125

Leu Gln Ala Glu Ala Gln Glu Leu Leu Gly Tyr Gln Val Asp Pro Arg
 130 135 140

Ser Ala Arg Phe Gln Glu Leu Leu Gln Asp Leu Glu Lys Lys Glu Arg
 145 150 155 160

Asn Pro Gln Gly Gly Lys Thr Glu Thr Glu Glu Gly Gly Ala Thr Ala
 165 170 175

Ala Leu Ala Ala Ala Val Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro
 180 185 190

Ser Ser

<210> 398

<211> 124
 <212> PRT
 <213> Homo sapiens

<400> 398

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Met Gln Glu Ser Leu Arg Val Lys Gln Leu Ala Glu Glu Gln Lys Arg
 1              5              10              15

Arg Glu Arg Glu Gln His Ile Ala Glu Cys Met Ala Lys Met Pro Gln
              20              25              30

Met Ile Val Asn Trp Gln Gln Gln Gln Arg Glu Asn Trp Glu Lys Ala
              35              40              45

Gln Ala Asp Lys Glu Arg Arg Ala Arg Leu Gln Ala Glu Ala Gln Glu
 50              55              60

Leu Leu Gly Tyr Gln Val Asp Pro Arg Ser Ala Arg Phe Gln Glu Leu
 65              70              75              80

Leu Gln Asp Leu Glu Lys Lys Glu Arg Lys Arg Leu Lys Glu Glu Lys
              85              90              95

Gln Lys Arg Lys Lys Glu Ala Arg Ala Ala Ala Leu Ala Ala Ala Val
              100              105              110

Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro Ser Ser
              115              120

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<210> 399
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 399

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Tyr Gln Ser Leu Ala Glu Thr Gln Gln Lys Lys Glu Asn Phe Arg Pro
 1              5              10              15

Ile Ser Leu Lys Asn Thr Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala
              20              25              30

Asn Gln Ile Gln Gln His Ile Lys Lys Leu Ile His Asn Asp Arg Val
              35              40              45

Gly Phe Ile Pro Glu Met Gln Gly Trp Phe Asn Ile Cys Lys Ser Ile
 50              55              60

Asn Ile Val His His Ile Asn Arg Thr Lys Asp Lys Asn His Met Ile
 65              70              75              80

Ile Ser Ile Asp Ala Glu Lys Ala Phe Asp Lys Ile Arg Gln Ser Phe
              85              90              95

Met Leu Lys Thr Leu Asn Lys Leu Gly Ile His Gly Met Tyr Leu Gly

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100

105

110

Arg

<210> 400

<211> 101

<212> PRT

<213> Homo sapiens

<400> 400

Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu Lys Asn Thr Asp Ala Lys
 1 5 10 15

Ile Leu Asn Lys Ile Leu Ala Asn Gln Ile Gln Gln His Ile Lys Lys
 20 25 30

Leu Ile His Asn Asp Arg Val Gly Phe Ile Pro Glu Met Gln Gly Trp
 35 40 45

Phe Asn Ile Cys Lys Ser Ile Asn Ile Val His His Ile Asn Arg Thr
 50 55 60

Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 65 70 75 80

Asp Lys Ile Arg Gln Ser Phe Met Leu Lys Thr Leu Asn Lys Leu Gly
 85 90 95

Ile His Gly Met Tyr
 100

<210> 401

<211> 11

<212> PRT

<213> Homo sapiens

<400> 401

Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala Asn
 1 5 10

<210> 402

<211> 10

<212> PRT

<213> Homo sapiens

<400> 402

Ile Gln Gln His Ile Lys Lys Leu Ile His
 1 5 10

<210> 403

<211> 19
 <212> PRT
 <213> Homo sapiens

<400> 403
 Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 1 5 10 15

Asp Lys Ile

<210> 404
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 404
 Met Leu Lys Thr Leu Asn Lys Leu Gly Ile
 1 5 10

<210> 405
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 405
 Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu
 1 5 10

<210> 406
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 406
 Trp Thr Met Phe Ile Asp Leu His Met Leu Asn Gln Pro Cys Ile Ser
 1 5 10 15

Gly Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys
 20 25 30

Trp Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe
 35 40 45

Phe Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala
 50 55 60

Arg Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg
 65 70 75 80

Ile Pro Ser Phe Tyr
 85

<210> 407
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 407
 Glu Arg Pro Glu Glu Gly Thr Glu Pro Ser Pro Ser Pro Val Ala Glu
 1 5 10 15
 Gln Ala Ser Val Ser Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp
 20 25 30
 Val Tyr Val Leu Pro Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu
 35 40 45
 Leu Glu Leu Phe Pro Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile
 50 55 60
 Leu Leu Tyr Leu His Phe Gly Phe
 65 70

<210> 408
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 408
 Arg Gly Glu Val Pro His Gln Pro His Pro Thr Arg Arg Thr Val Val
 1 5 10 15
 Ser Gly Gln Ala Pro Trp Xaa Pro Gly Pro Xaa Ala Leu Gly Gln Xaa
 20 25 30

Val Glu Thr Ala Ala Gly Met Gly Met Pro Leu Val Thr Val Thr Ala
 35 40 45

Ala Thr Phe Pro Thr Leu Ser Cys Pro Pro Arg Ala Trp Pro Glu Val
 50 55 60

Glu Ala Pro Glu Ala Pro Ala Leu Pro Val Val Pro Glu Leu Pro Glu
 65 70 75 80

Val Pro Met Glu Met Pro Leu Val Leu Pro Pro Glu Leu Glu Leu Leu
 85 90 95

Ser Leu Glu Ala Val His Arg Tyr Gln Xaa Gly Gly Thr Leu Met Gly
 100 105 110

Trp Thr Arg Ala Glu Ala Ser Ala Asn Gly Ser
 115 120

<210> 409

<211> 133

<212> PRT

<213> Homo sapiens

<400> 409

Met Val Leu Asp Pro Tyr Arg Ala Val Ala Leu Glu Leu Gln Ala Asn
 1 5 10 15

Arg Glu Pro Asp Phe Ser Ser Leu Val Ser Pro Leu Ser Pro Arg Arg
 20 25 30

Met Ala Ala Arg Val Phe Tyr Leu Leu Leu Gly Glu Cys Met His Val
 35 40 45

Cys Val Cys Met Trp Gly Arg Asp Thr Glu Thr Arg Gly Pro Tyr Arg
 50 55 60

Asp Ser Pro Asp Leu Pro Ser Pro Arg Leu Leu Thr Ser Ala Leu Ser
 65 70 75 80

Ala Thr Asp Ser Ser Arg Glu Thr Arg Lys Ala Ile Trp Ser Pro Pro
 85 90 95

Asp Pro Ala Gly Ala Gln Ile Pro Leu Arg Leu Glu Ser Ile Tyr Lys
 100 105 110

Ala Ala Arg Lys Pro Ala Thr Ser Ser Lys Pro Arg Arg Ala Ser Leu
 115 120 125

Lys Lys Lys Lys Lys
 130

<210> 410

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 410
 Ala Phe Arg Asn Leu Pro Asn Leu Arg Ile Leu
 1 5 10

<210> 411
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 411
 Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu
 1 5 10

<210> 412
 <211> 206
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 412
 Asn Lys Xaa Ile Leu Glu Val Pro Ser Ala Arg Thr Thr Arg Ile Met
 1 5 10 15

Gly Asp His Leu Asp Leu Leu Leu Gly Val Val Leu Met Ala Gly Pro
 20 25 30

Val Phe Gly Ile Pro Ser Cys Ser Phe Asp Gly Arg Ile Ala Phe Tyr
 35 40 45

Arg Phe Cys Asn Leu Thr Gln Val Pro Gln Val Leu Asn Thr Thr Glu
 50 55 60

Arg Leu Leu Leu Ser Phe Asn Tyr Ile Arg Thr Val Thr Ala Ser Ser
 65 70 75 80

Phe Pro Phe Leu Glu Gln Leu Gln Leu Leu Glu Leu Gly Ser Gln Tyr
 85 90 95

Thr Pro Leu Thr Ile Asp Lys Glu Ala Phe Arg Asn Leu Pro Asn Leu
 100 105 110

Arg Ile Leu Asp Leu Gly Ser Ser Lys Ile Tyr Phe Leu His Pro Asp
 115 120 125

Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu Tyr Phe Cys

130		135		140
Gly 145	Leu	Ser	Asp	Ala 150
	Val	Leu	Lys	Asp 155
	Gly	Tyr	Phe	Arg 160
	Asn	Leu	Lys	
Ala 165	Leu	Thr	Arg	Leu 170
	Asp	Leu	Ser	Lys 175
	Gly	Lys	Leu	Asn 180
	Val	Leu	Lys	Ser 185
	Glu	His	Glu	Leu 190
	Leu	Glu		
Ser 195	Asn	Gln	Ile	Phe 200
	Val	Cys	Glu	His 205
	Glu			

<210> 413
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 413
Ala 1
His
Ala
Ala
Leu 5
Gln
Leu
Ser
Leu
Arg 10
Thr
Cys
Gly
Pro
Cys 15
Ser
Ser
Pro
Tyr
Pro 20
His
Ala
Gly
Leu
Ala 25
Ala
Leu
Leu
Thr 30
His
Met
Trp
Ala 35
Leu
Gln
Leu
Ser
Leu
Pro
Thr 40
Cys
Gly
Leu
Ala 45
Ala
Leu
Leu
Thr
His 50
Met
Arg
Pro
Cys
Ser
Ser
Pro 55
Tyr
Pro
His
Ala 60
Gly
Leu
Ala
Ala
Leu 65
Thr
His
Met
Gly
Pro 70
Cys
Arg
Ser
Pro 75
Tyr
Pro
His
Gly
Gly 80
Leu
Ala
Ala
Val
Leu 85
Thr
His
Met
Arg
Ala 90
Leu
Gln
Leu
Ser
Leu 95
Pro
Thr 100
Trp
Gly
Leu
Ala
Ala
Leu
Leu
Thr 105
His
Met
Arg
Pro
Cys
Ser
Ser 110
Pro
Tyr
Pro
His
Ala
Gly
Leu
Ala
Cys
Cys
Trp
Leu
Trp
Ser
Leu
Ser 115
Ser
His
Arg
Ser
Leu
Gln
Val
Gln
Ala
Thr
His
Arg
Leu
Val
Val
Arg 130
Thr 135
Ile
Lys
Asp
Arg
Val
Met
Leu
Lys
Val
Leu
Pro
Gln
Thr
Arg
Arg 145
Arg
Gly
Pro
Phe
Leu
Ser
Ser
Cys
Arg
Asn
Asp
Val
Met
Arg
Asn
Cys 165
Val
Pro
Arg
His
Ala
Val
Leu
Val
Thr
Thr
Cys
Val
Phe
Val
Ser
Phe 170

180	185	190
Pro Thr His Cys Lys Val Gly Ile Thr Gly Pro Ile Thr Gln Val Lys		
195	200	205
Gln Lys Pro Gly Asn His Ser Ser Pro Cys Pro Val Ile Gln Leu Val		
210	215	220
Ala Lys Ala Glu Phe Glu Leu Met Leu Pro Ser Val Pro Lys Pro Val		
225	230	235
Tyr Leu Thr Leu Val Leu Ser Cys Trp Cys Leu Cys Asp Val Pro Cys		
	245	250
		255
Leu Ser Val Ser Leu		
260		

<210> 414
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 414
 Leu Ala Cys Cys Trp Leu Trp Ser Leu Ser Ser His Arg Ser Leu Gln
 1 5 10 15

Val

<210> 415
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 415
 Glu Ile Gly Ser His Ser Val Ala Gln Ala Gly Leu Glu Leu Pro Gly
 1 5 10 15

Ser Ser Asp Pro Pro Thr Ser Gly Ser Gln Ser Ala Gly Ile Thr Gly
 20 25 30

Val Ser Gln Gly Thr Gln Pro Ser Val Asp Leu Cys Gln Glu Glu Pro
 35 40 45

Ala Gly Ala Asp Gln Pro His Gly Ser Leu Gln
 50 55

<210> 416
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 416

Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15
 Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Val Thr Cys
 50 55 60
 Phe Gly Ala
 65

<210> 417

<211> 90

<212> PRT

<213> Homo sapiens

<400> 417

Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60
 Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 418

<211> 18

<212> PRT

<213> Homo sapiens

<400> 418

Phe Pro Gly Arg Thr His Ala Ser Gly Asn Val Lys Gly Lys Val Ile
 1 5 10 15
 Leu Ser

<210> 419
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 419
 Ala Asp Gln Glu Lys Ile Arg Asn Val Lys Gly Lys Val Ile Leu Ser
 1 5 10 15
 Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 20 25 30
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 35 40 45
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 50 55 60
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 65 70 75 80
 Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 85 90 95
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 100 105

<210> 420
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 420
 Met Gln Ser Pro Leu Val Glu Cys Pro Pro Pro Ser Ile His Tyr Trp
 1 5 10 15
 Pro Ser Val Pro Ala Gly Ala Gln Gly Ala Cys Ser Pro Met Phe His
 20 25 30
 Ala Ala Gly Trp Ser Arg Ser Gln Pro Asn Gly Glu Ile Pro Ala Ser
 35 40 45
 Ser Xaa Gly His Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu
 50 55 60
 Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala
 65 70 75 80
 Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn

85					90					95					
Val	Asp	Gly	Pro	Ser	Asn	Asn	Ala	Thr	Gly	Gln	Ser	Arg	Ala	Met	Ile
			100					105					110		
Ala	Ala	Ala	Ala	Arg	Arg	Arg	Asp	Ser	Ser	His	Asn	Glu	Leu	Tyr	Tyr
		115					120					125			
Glu	Glu	Ala	Glu	His	Glu	Arg	Arg	Val	Lys	Lys	Arg	Lys	Ala	Arg	Leu
	130					135					140				
Val	Val	Ala	Val	Glu	Glu	Ala	Phe	Ile	His	Ile	Gln	Arg	Leu	Gln	Ala
145					150					155					160
Glu	Glu	Gln	Gln	Lys	Ala	Pro	Gly	Glu	Val	Met	Asp	Pro	Arg	Glu	Ala
				165					170					175	
Ala	Gln	Ala	Ile	Phe	Pro	Ser	Met	Ala	Arg	Ala	Leu	Gln	Lys	Tyr	Leu
			180					185					190		
Arg	Ile	Thr	Arg	Gln	Gln	Asn	Tyr	His	Ser	Met	Glu	Ser	Ile	Leu	Gln
	195						200					205			
Ala	Pro	Gly	Leu	Leu	His	His	Gln	Arg	His	Asp	Pro	Gln	Gly	Leu	Pro
	210					215					220				
Arg	Thr	Val	Pro	Gln	Cys	Gly	Pro	His	Pro	Ala	Ile				
225					230					235					

<210> 421
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 421
 Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys
 1 5 10 15

Asp Phe Thr Ile Tyr Asn Pro
 20

<210> 422
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 422
 Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu
 1 5 10 15

<210> 423
 <211> 18

<212> PRT

<213> Homo sapiens

<400> 423

Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 1 5 10 15
 Gln Gln

<210> 424

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 424

Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
 1 5 10 15
 Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
 20 25 30
 Leu Leu Leu Val Leu Ile Phe Leu Phe Cys Gly Phe Pro Ile Gly Phe
 35 40 45
 Phe Thr Gly Ser Ala Phe Trp Thr Leu Gly Asn Arg Asn Tyr Gln Gly
 50 55 60
 Ile Val Gln Tyr Ala Val Ser Pro Cys Gly Met Pro Ser Ser Phe His
 65 70 75 80
 Pro Leu Leu Ala Ile Arg Pro Cys Trp Ser Ser Gly Ser Leu Gln Pro
 85 90 95
 Asn Val Pro Arg Cys Arg Leu Val Pro Leu Pro Thr Glu Trp Gly Asn
 100 105 110
 Pro Arg Phe Gln Xaa Gly Thr Pro Glu Tyr Pro Ala Ser Ser Ile Gly
 115 120 125
 Gly Pro Arg Lys Leu Leu Gln Arg Phe His His Leu
 130 135 140

<210> 425

<211> 49

<212> PRT

<213> Homo sapiens

<400> 425

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15
 Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30
 Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45

Leu

<210> 426

<211> 303

<212> PRT

<213> Homo sapiens

<400> 426

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15
 Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30
 Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45
 Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys
 50 55 60
 Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys Phe Arg
 65 70 75 80
 Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn Val Asp Gly Pro
 85 90 95
 Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile Ala Ala Ala Ala
 100 105 110
 Arg Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu
 115 120 125
 His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu Val Val Ala Val
 130 135 140
 Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala Glu Glu Gln Gln
 145 150 155 160
 Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala Ala Gln Ala Ile
 165 170 175
 Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 180 185 190

Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln His Leu Ala Phe
 195 200 205
 Cys Ile Thr Asn Gly Met Thr Pro Lys Ala Phe Leu Glu Arg Tyr Leu
 210 215 220
 Ser Ala Gly Pro Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu Ser Thr
 225 230 235 240
 Gln Trp Arg Leu Val Ser Asp Glu Ala Leu Thr Asn Gly Leu Arg Asp
 245 250 255
 Gly Ile Val Phe Val Leu Lys Cys Leu Asp Phe Ser Leu Val Val Asn
 260 265 270
 Val Lys Lys Ile Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile Asp Pro
 275 280 285
 Lys Ser His Lys Phe Val Leu Arg Leu Gln Ser Glu Thr Ser Val
 290 295 300

<210> 427
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 427
 Met Pro Arg Val Phe Val Phe Arg Ala Leu Leu Leu Val Leu Ile Phe
 1 5 10 15
 Leu Phe Val Val Ser Tyr Trp Leu Phe Tyr Gly Val Arg Ile Leu Asp
 20 25 30
 Ser Arg Asp Arg Asn Tyr Gln Gly Ile Val Gln Tyr Ala Val Ser Leu
 35 40 45
 Val Asp Ala Leu Leu Phe Ile His Tyr Leu Ala Ile Val Leu Leu Glu
 50 55 60
 Leu Arg Gln Leu Gln Pro Met Phe Thr Leu Gln Val Val Arg Ser Thr
 65 70 75 80
 Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His Leu
 85 90

<210> 428
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 428
 Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe

1	5	10	15
Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala	20	25	30
Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe	35	40	45
Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile	50	55	60
Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr	65	70	75
Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr	85	90	95
Leu Gln Val Val Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu	100	105	110

Gly His

<210> 429

<211> 37

<212> PRT

<213> Homo sapiens

<400> 429

Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly	1	5	10	15
---	---	---	----	----

Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg	20	25	30
---	----	----	----

Ser Pro Arg Thr Leu	35
---------------------	----

<210> 430

<211> 20

<212> PRT

<213> Homo sapiens

<400> 430

Ile Tyr Gly Lys Thr Gly Gln Pro Asp Lys Ile Tyr Val Glu Leu His	1	5	10	15
---	---	---	----	----

Gln Asn Ser Pro	20
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<210> 431

<211> 16

<212> PRT
 <213> Homo sapiens

<400> 431
 Phe Leu Glu Pro Leu Ser Gly Leu Tyr Thr Cys Thr Leu Ser Tyr Lys
 1 5 10 15

<210> 432
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 432
 Leu Gln Val Val Arg Leu Asp Ser Cys Arg Pro Gly Phe Gly Lys Asn
 1 5 10 15

<210> 433
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 433
 Cys Val Ser Val Leu Thr Tyr Gly Ala Lys Ser Cys
 1 5 10

<210> 434
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 434
 Lys Asn Asn Trp Trp Gln Gly Val Val Val Leu Ala Cys Asn Pro Ser
 1 5 10 15

Thr Leu Gly Asp Arg Gly Ser Trp Ile Thr
 20 25

<210> 435
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 435
 Gly Gln Glu Phe Glu Thr Arg Leu Thr Asn Ile Val Lys Leu Arg Leu
 1 5 10 15

Tyr

<210> 436

<211> 24

<212> PRT

<213> Homo sapiens

<400> 436

Ser Cys Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Gln Glu Pro Pro
 1 5 10 15

His Pro Ala Thr Ser Tyr Phe Leu
 20

<210> 437

<211> 308

<212> PRT

<213> Homo sapiens

<400> 437

Pro Ala Lys Gly Glu Gly Cys Arg Arg Leu His Asp His Pro His Ile
 1 5 10 15

Trp Arg Leu Leu Trp Ala His Ser Asp Pro Asp Pro Leu Pro Thr Gln
 20 25 30

Pro Arg Ala Glu Gln Gly Glu Thr Glu Phe Cys Val Pro Val Gly Pro
 35 40 45

Leu Cys His Asp Trp His Pro Leu Pro Val Asp Val Leu Ala Gln Leu
 50 55 60

Gln Leu Ser His Ile Leu Pro Trp Gly Gln Pro Ala Pro Ser Arg His
 65 70 75 80

Gln His Leu Leu Leu Leu Gly Ser Leu Arg Ala Tyr Leu Gly Gly Asn
 85 90 95

Ile Gln Cys Pro Ala Lys Lys Gly Lys Leu Asp Met Val His Ile Gln
 100 105 110

Asn Ala Thr Leu Ala Gly Gly Val Ala Val Gly Thr Ala Ala Glu Met
 115 120 125

Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly Ile
 130 135 140

Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser Arg
 145 150 155 160

Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile Pro

165					170					175					
Gly	Ile	Ile	Gly	Gly	Ile	Val	Gly	Ala	Val	Thr	Ala	Ala	Ser	Ala	Ser
			180					185					190		
Leu	Glu	Val	Tyr	Gly	Lys	Glu	Gly	Leu	Val	His	Ser	Phe	Asp	Phe	Gln
		195					200					205			
Gly	Phe	Asn	Gly	Asp	Trp	Thr	Ala	Arg	Thr	Gln	Gly	Lys	Phe	Gln	Ile
	210					215					220				
Tyr	Gly	Leu	Leu	Val	Thr	Leu	Ala	Met	Ala	Leu	Met	Gly	Gly	Ile	Ile
225					230					235					240
Val	Gly	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Trp	Gly	Gln	Pro	Ser	Asp	Glu
				245					250					255	
Asn	Cys	Phe	Glu	Asp	Ala	Val	Tyr	Trp	Glu	Met	Pro	Glu	Gly	Asn	Ser
			260					265					270		
Thr	Val	Tyr	Ile	Pro	Glu	Asp	Pro	Thr	Phe	Lys	Pro	Ser	Gly	Pro	Ser
		275					280					285			
Val	Pro	Ser	Val	Pro	Met	Val	Ser	Pro	Leu	Pro	Met	Ala	Ser	Ser	Val
	290					295					300				
Pro	Leu	Val	Pro												
305															

<210> 438

<211> 145

<212> PRT

<213> Homo sapiens

<400> 438

Met	Thr	Phe	Phe	Gln	Val	Thr	Leu	Phe	Ala	Val	Asn	Glu	Phe	Ile	Leu
1				5					10					15	
Leu	Asn	Leu	Leu	Lys	Val	Lys	Asp	Ala	Gly	Gly	Ser	Met	Thr	Ile	His
			20					25					30		
Thr	Phe	Gly	Ala	Tyr	Phe	Gly	Leu	Thr	Val	Thr	Arg	Ile	Leu	Tyr	Arg
		35					40					45			
Arg	Asn	Leu	Glu	Gln	Ser	Lys	Glu	Arg	Gln	Asn	Ser	Val	Tyr	Gln	Ser
	50					55					60				
Asp	Leu	Phe	Ala	Met	Ile	Gly	Thr	Leu	Phe	Leu	Trp	Met	Tyr	Trp	Pro
65					70					75					80
Ser	Phe	Asn	Ser	Ala	Ile	Ser	Tyr	His	Gly	Asp	Ser	Gln	His	Arg	Ala
				85					90					95	
Ala	Ile	Asn	Thr	Tyr	Cys	Ser	Leu	Ala	Ala	Cys	Val	Leu	Thr	Ser	Val

	100		105		110
Ala	Ile Ser Ser Ala Leu His Lys Lys Gly Lys Leu Asp Met Val His				
	115		120		125
Ile	Gln Asn Ala Thr Leu Ala Gly Gly Val Ala Val Gly Thr Ala Ala				
	130		135		140

Glu
145

<210> 439
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 439
Pro Arg Val Arg Thr Arg Ala Pro Val Val Pro Pro Ala Gly His Arg
1 5 10 15
Ala Leu Ser Pro Ala Gly Val Leu Leu Ala Val Pro Ala Met Leu Ser
20 25 30
Leu Asp Phe Leu Asp Asp Val Arg Arg Met Asn Lys Arg Gln Val Ser
35 40 45
Leu Ser Val Leu Phe Phe Ser Trp Leu Phe Leu Ser Leu Arg Gly Cys
50 55 60
Cys Cys Gly Ala Arg Arg Thr Pro Gly Phe Trp Cys Glu Gly Leu Ser
65 70 75 80
Trp Ser Asp Thr Arg Val Ile Arg Phe Leu Trp Arg Leu Trp Pro Glu
85 90 95
Ala Ala Leu Ser Ala Ser Leu Phe Leu Thr Pro Asn
100 105

<210> 440
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 440
Met Cys Val Tyr Ile Tyr Val Tyr Thr Cys Met Cys Val Tyr Ile Tyr
1 5 10 15
Val Tyr Ile Cys Ile Cys Val Tyr Ile His Val Tyr Thr Cys Ile Cys
20 25 30
Val Tyr Ile His Val Tyr Thr Cys Val Cys Val Tyr Ile Tyr Val Tyr
35 40 45

Thr Cys Met Cys Val Tyr Ile Cys Ile Tyr Val Tyr Ile Tyr Ile Cys
 50 55 60

Val Cys Val Ser Val Tyr Ile Tyr Asn Arg Ile Ile Tyr Ile Leu Leu
 65 70 75 80

Ala Leu Ser Leu

<210> 441
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 441
 His Ala Ser Ala Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser
 1 5 10 15

<210> 442
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 442
 Val Tyr Ala Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu
 1 5 10 15

Asp Thr Gln Leu Leu Met Gly Asn
 20

<210> 443
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 443
 Glu Glu Tyr Ile Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr
 1 5 10 15

Ile Phe

<210> 444
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 444

Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser Met Ala Tyr Leu
 1 5 10 15

Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr
 20 25

<210> 445

<211> 138

<212> PRT

<213> Homo sapiens

<400> 445

Met Ala Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser
 1 5 10 15

Val Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr
 20 25 30

Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly Val
 35 40 45

Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile Leu Ala
 50 55 60

Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala Val Tyr Ala
 65 70 75 80

Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu Asp Thr Gln
 85 90 95

Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser Pro Glu Glu Tyr Ile
 100 105 110

Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr Ile Phe Thr Phe
 115 120 125

Phe Leu Gln Leu Phe Gly Thr Asn Arg Glu
 130 135

<210> 446

<211> 11

<212> PRT

<213> Homo sapiens

<400> 446

Thr Leu Ser Leu Leu Val Ser Leu His Thr Val
 1 5 10

<210> 447

<211> 241

<212> PRT

<213> Homo sapiens

<400> 447

```

Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
 1           5           10           15

Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
      20           25           30

Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
      35           40           45

Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
 50           55           60

Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
65           70           75           80

Arg Glu Ser Ala Glu Val His Leu Ile Lys Glu Arg Pro Leu Val Ile
      85           90           95

Pro Pro Ile Ala Ser Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg
      100          105          110

Glu Lys Pro His Lys Ala His Val Gly Val Ala His Arg Ile His His
115          120          125

Ala Thr Pro Pro Gln Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro
130          135          140

Gly Glu Arg Arg Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn
145          150          155          160

Cys Val Lys Pro Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu
      165          170          175

His His Trp Glu Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His
      180          185          190

Ala Lys His Phe Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu
195          200          205

Ala Leu Phe Phe Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr
210          215          220

Val Phe Pro Asn Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys
225          230          235          240

Phe

```

<210> 448

<211> 85

<212> PRT

<213> Homo sapiens

<400> 448

```

Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
 1             5             10             15

Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
          20             25             30

Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
          35             40             45

Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
 50             55             60

Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
 65             70             75             80

Arg Glu Ser Ala Glu
          85

```

<210> 449

<211> 63

<212> PRT

<213> Homo sapiens

<400> 449

```

Val His Leu Ile Lys Glu Arg Pro Leu Val Ile Pro Pro Ile Ala Ser
 1             5             10             15

Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg Glu Lys Pro His Lys
          20             25             30

Ala His Val Gly Val Ala His Arg Ile His His Ala Thr Pro Pro Gln
          35             40             45

Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro Gly Glu Arg Arg
          50             55             60

```

<210> 450

<211> 93

<212> PRT

<213> Homo sapiens

<400> 450

```

Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn Cys Val Lys Pro
 1             5             10             15

Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu His His Trp Glu
          20             25             30

Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His Ala Lys His Phe
          35             40             45

```

Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu Ala Leu Phe Phe
 50 55 60

Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr Val Phe Pro Asn
 65 70 75 80

Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys Phe
 85 90

<210> 451

<211> 59

<212> PRT

<213> Homo sapiens

<400> 451

Lys Arg Ala Ser Gln Pro Pro Cys Thr Arg Asn Leu Lys Arg Ser Thr
 1 5 10 15

Asp Ser Gly Gln Arg Ala Gly Asn Ser Phe Cys Gly Asn Gln Trp Met
 20 25 30

Leu Cys Pro Thr Pro Pro His Phe Cys Trp Leu Gly Ser Pro Pro Arg
 35 40 45

Ser Thr Ser Ser Lys Arg Gly Pro Ser Ser Ser
 50 55

<210> 452

<211> 65

<212> PRT

<213> Homo sapiens

<400> 452

Pro Pro Ser Pro Pro Thr Glu Ala Ala Ser Ser Thr Ala Arg Pro Ala
 1 5 10 15

Lys Ser Arg Thr Arg Pro Thr Ser Gly Trp His Ile Gly Ser Thr Thr
 20 25 30

Pro Pro Arg Arg Ser Gln Pro Glu Val Lys Thr Leu Ala Val Asp Gln
 35 40 45

Val Asn Gly Gly Lys Val Val Arg Lys His Ser Gly Thr Asp Arg Thr
 50 55 60

Val

65

<210> 453

<211> 148

<212> PRT

<213> Homo sapiens

<400> 453

```

Met Trp Asn Pro Asn Ala Gly Gln Pro Gly Pro Asn Pro Tyr Pro Pro
 1           5           10           15

Asn Ile Gly Cys Pro Gly Gly Ser Asn Pro Ala His Pro Pro Pro Ile
      20           25           30

Asn Pro Pro Phe Pro Pro Gly Pro Cys Pro Pro Pro Pro Gly Ala Pro
      35           40           45

His Gly Asn Pro Ala Phe Pro Pro Gly Gly Pro Pro His Pro Val Pro
 50           55           60

Gln Pro Gly Tyr Pro Gly Cys Gln Pro Leu Gly Pro Tyr Pro Pro Pro
 65           70           75           80

Tyr Pro Pro Pro Ala Pro Gly Ile Pro Pro Val Asn Pro Leu Ala Pro
      85           90           95

Gly Met Val Gly Pro Ala Val Ile Val Asp Lys Lys Met Gln Lys Lys
      100           105           110

Met Lys Lys Ala His Lys Lys Met His Lys His Gln Lys His His Lys
      115           120           125

Tyr His Lys His Gly Lys His Ser Ser Ser Ser Ser Ser Ser Ser Ser
      130           135           140

Ser Asp Ser Asp
145

```

<210> 454

<211> 58

<212> PRT

<213> Homo sapiens

<400> 454

```

Arg Val Gly Pro Asp Ala Trp Ala Asp Ala Trp Glu Gln Ala Gln Ala
 1           5           10           15

Ala Val Glu Arg Leu Glu Asp Thr Pro Lys His Val Glu Ser Gln Cys
      20           25           30

Arg Ala Ala Arg Ala Lys Ser Ile Ser Pro Gln Tyr Trp Val Pro Trp
      35           40           45

Arg Phe Gln Ser Cys Pro Pro Thr Thr Tyr
      50           55

```

<210> 455

<211> 84

<212> PRT

<213> Homo sapiens

<400> 455

```

Ser Thr Leu Ser Pro Arg Pro Leu Ser Ser Ser Pro Arg Ser Ser Pro
 1          5          10          15

Trp Gln Ser Ser Phe Pro Pro Arg Trp Ala Pro Ser Ser Cys Ala Thr
          20          25          30

Ala Arg Val Ser Arg Met Pro Thr Val Gly Ser Leu Pro Ser Ser Ile
          35          40          45

Pro Thr Ala Cys Pro Trp Asn Pro Ser Cys Glu Ser Leu Gly Ser Trp
          50          55          60

His Gly Trp Thr Ser Ser Asp Ser Arg Gln Glu Asp Ala Glu Glu Asn
 65          70          75          80

Glu Glu Ser Ser

```

<210> 456

<211> 86

<212> PRT

<213> Homo sapiens

<400> 456

```

Met Pro Gly Ser Gln Gly Gln Ile His Ile Pro Pro Ile Leu Gly Ala
 1          5          10          15

Leu Glu Val Pro Ile Leu Pro Thr His His Leu Leu Ile His Pro Phe
          20          25          30

Pro Gln Ala Pro Val Leu Leu Pro Gln Glu Leu Pro Met Ala Ile Gln
          35          40          45

Leu Ser Pro Gln Val Gly Pro Leu Ile Leu Cys His Ser Gln Gly Ile
          50          55          60

Gln Asp Ala Asn Arg Trp Val Pro Thr Leu Leu His Thr His Arg Leu
 65          70          75          80

Pro Leu Glu Ser Leu Leu
          85

```

<210> 457

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 457

```

Met Ala Ser Ile Pro Pro Leu Pro Pro Pro Leu Pro Ala Val Ile Leu
 1              5              10              15

Thr Glu Tyr Arg Pro Trp Thr Leu Pro Ser Ser Leu Thr Ser Ser Ala
      20              25              30

Leu Pro Ser Ser Phe Arg Cys His Val Val Leu Gly Glu Cys Ser Pro
      35              40              45

Cys Ala Pro His Pro Leu Pro Xaa Pro Glu Pro His Pro Ala Val Glu
      50              55              60

Pro
65

```

<210> 458

<211> 147

<212> PRT

<213> Homo sapiens

<400> 458

```

Pro Arg His Thr Tyr Trp Gly Ile Trp Leu Val Pro Ala Ala Met Ala
 1              5              10              15

Ser Pro His Ser His Pro Ala Gln Gly Val Leu Gln Pro Pro Gly Pro
      20              25              30

Gln Pro Arg Trp Glu Asp Arg Val Ala Leu Gly Thr Arg Gly Arg Ser
      35              40              45

Pro Gly Ala Tyr Leu Thr Glu Ser Ala Pro Gln Gln Ala Ser Thr Thr
      50              55              60

Pro Gly Pro Pro Thr Cys His Gly Lys Val Gly Ser Glu Trp Ala Trp
      65              70              75              80

Leu Gly Ala Ala Pro Gly Pro Leu Pro Thr His Pro Ser His Tyr Ala
      85              90              95

Ile Arg Val Pro Ser Asn Ile Cys Ser Cys Pro Gly Ala Ser Ser Ala
      100              105              110

Pro Ala Leu Arg Gly Val Val Arg Gln Pro Pro Gly Pro Gln Asn Pro
      115              120              125

Arg Gln Gly Gly Arg Arg Gly Thr Arg Ala Ser Pro Val Gly Ser Leu
      130              135              140

Phe Cys Val
145

```

<210> 459
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 459
 Met Phe Ala Val Leu Pro Ala Val Glu Gly Arg Ala Thr Pro His Gln
 1 5 10 15
 Asp Arg Thr Cys Tyr Pro Ser Arg Ser Arg Pro Trp Pro Ser Gln Pro
 20 25 30
 Ser Pro Arg Gly Ser Met Pro Val Pro Arg Pro Gly Ala Ala Arg Gly
 35 40 45
 Gln Leu Asp Gly His Val Gln Gly Gln Gly Trp Ala Leu Gln Trp Gly
 50 55 60
 Gly Pro Pro Ala Pro Ala Val Tyr Arg Arg Met Ala Leu Pro Pro Arg
 65 70 75 80
 Ala Ala Gly Ser Tyr Leu Asp Arg Lys Cys Pro His Pro Leu Pro Gly
 85 90 95
 Ala Arg Leu Cys Pro Gly Leu Pro Leu
 100 105

<210> 460
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 460
 Val Phe Gly Ala Val Phe Leu Thr Thr Pro Ser His Asp Leu Ala Thr
 1 5 10 15
 Pro Thr Gly Ala Ser Gly Trp Cys Leu Leu Pro Trp Pro Ala Pro Thr
 20 25 30
 Leu Thr Leu His Arg Gly Ser Cys Ser Pro Gln Ala His Ser Leu Val
 35 40 45
 Gly Arg Thr Gly Trp Pro Trp Gly Gln Glu Gly Gly Ala Gln Gly Leu
 50 55 60
 Thr Ser Leu Arg Val Leu Pro Ser Arg His Pro Leu Pro Gln Gly Pro
 65 70 75 80
 Pro His Val Met Ala Arg Leu Val Val Asn Gly Pro Gly Trp Glu Gln
 85 90 95
 Pro Leu Ala His Cys Pro Pro Thr His Leu Thr Met Gln Phe Glu Phe
 100 105 110

Gln Ala Thr Phe Ala Pro Ala Leu Gly Pro Ala Leu Pro Gln Pro
 115 120 125

<210> 461

<211> 186

<212> PRT

<213> Homo sapiens

<400> 461

His Glu Glu Pro Pro Ala Gly Phe Gly Leu Arg Ser Leu Trp Arg Arg
 1 5 10 15

Ser Pro Pro His Glu Val Gly Ala Arg Leu Pro Asn Gly Ala Phe Gly
 20 25 30

Phe Ser Val Arg Cys Leu Leu Cys Phe Pro Pro Trp Arg Ala Glu Pro
 35 40 45

Pro His Ile Arg Ile Gly Arg Ala Thr Pro Pro Gly Pro Gly Pro Gly
 50 55 60

Pro Ala Ser Pro Ala Leu Glu Ala Arg Cys Leu Cys Gln Gly Gln Gly
 65 70 75 80

Gln Pro Glu Gly Ser Trp Met Ala Thr Cys Arg Val Lys Ala Gly Pro
 85 90 95

Cys Ser Gly Ala Gly Arg Gln Pro Gln Gln Phe Thr Asp Ala Trp Leu
 100 105 110

Phe Leu Pro Glu Gln Pro Ala Ala Thr Trp Thr Gly Asn Val Leu Ile
 115 120 125

Pro Ser Leu Gly Pro Gly Ser Ala Leu Ala Phe Leu Cys Glu Pro Leu
 130 135 140

Leu Ser Leu Cys Cys Leu Gly Thr Pro Asp Arg Gly Val Arg Val Cys
 145 150 155 160

Pro Ser Val Thr Phe Tyr Ser Pro Arg Val Glu Glu Arg Lys Arg Gly
 165 170 175

Lys Ser Lys Gly Val Gln Thr Pro Pro Gln
 180 185

<210> 462

<211> 100

<212> PRT

<213> Homo sapiens

<400> 462

Met Ala Thr Cys Arg Val Lys Ala Gly Pro Cys Ser Gly Ala Gly Arg

1		5		10		15									
Gln	Pro	Gln	Gln	Phe	Thr	Asp	Ala	Trp	Leu	Phe	Leu	Pro	Glu	Gln	Pro
		20						25					30		
Ala	Ala	Thr	Trp	Thr	Gly	Asn	Val	Leu	Ile	Pro	Ser	Leu	Gly	Pro	Gly
		35					40					45			
Ser	Ala	Leu	Ala	Phe	Leu	Cys	Glu	Pro	Leu	Leu	Ser	Leu	Cys	Cys	Leu
	50					55					60				
Gly	Thr	Pro	Asp	Arg	Gly	Val	Arg	Val	Cys	Pro	Ser	Val	Thr	Phe	Tyr
65					70				75						80
Ser	Pro	Arg	Val	Glu	Glu	Arg	Lys	Arg	Gly	Lys	Ser	Lys	Gly	Val	Gln
			85						90					95	
Thr	Pro	Pro	Gln												
			100												

<210> 463

<211> 244

<212> PRT

<213> Homo sapiens

<400> 463

Met	Lys	Trp	Phe	Ser	Thr	Gln	Pro	Leu	Trp	Leu	Asn	Thr	Lys	Gln	Arg
1				5					10					15	
Ser	His	Arg	Arg	Gly	Pro	Gly	Pro	Pro	Pro	Ala	Pro	Leu	Ser	Gly	Val
		20						25					30		
Leu	Gly	Ser	Arg	Gly	Leu	Pro	His	His	Pro	Ser	Gln	Gly	Trp	Gly	Arg
		35					40					45			
Ala	Gly	Pro	Arg	Ala	Gly	Ala	Asn	Val	Ala	Trp	Asn	Ser	Asn	Cys	Ile
	50					55					60				
Val	Arg	Trp	Val	Gly	Gly	Gln	Trp	Ala	Arg	Gly	Cys	Ser	Gln	Pro	Gly
65				70					75						80
Pro	Phe	Thr	Thr	Asn	Leu	Ala	Met	Thr	Cys	Gly	Gly	Pro	Trp	Gly	Ser
				85					90					95	
Gly	Cys	Leu	Leu	Gly	Ser	Thr	Leu	Ser	Glu	Val	Ser	Pro	Trp	Ala	Pro
		100						105					110		
Pro	Ser	Cys	Pro	Gln	Gly	His	Pro	Val	Leu	Pro	Thr	Arg	Leu	Trp	Ala
		115					120					125			
Trp	Gly	Leu	Gln	Asp	Pro	Leu	Cys	Arg	Val	Arg	Val	Gly	Ala	Gly	His
	130					135					140				
Gly	Ser	Arg	His	Gln	Pro	Asp	Ala	Pro	Val	Gly	Val	Ala	Arg	Ser	Trp

145 150 155 160
 Asp Gly Val Val Arg Asn Thr Ala Pro Lys Thr Gln Asn Lys Asn Thr
 165 170 175
 Thr Asn Gly Arg Arg Ser Pro Pro Pro Thr Glu Val Gly Phe Glu Pro
 180 185 190
 Leu Leu Ile Phe Pro Val Ser Phe Leu Gln Pro Leu Val Ser Arg Lys
 195 200 205
 Ser Gln Thr Gly Thr His Ala His His Gly Gln Glu Ser Arg Asp Ser
 210 215 220
 Thr Lys Lys Gly Gly Val His Arg Gly Arg Pro Gly Gln Ser Leu Ala
 225 230 235 240
 Pro Gly Arg Gly

<210> 464

<211> 165

<212> PRT

<213> Homo sapiens

<400> 464

Lys Val Thr Asp Gly His Thr Arg Thr Pro Arg Ser Gly Val Pro Arg
 1 5 10 15
 Gln His Lys Glu Arg Arg Gly Ser Gln Arg Lys Ala Arg Ala Glu Pro
 20 25 30
 Gly Pro Arg Glu Gly Met Arg Thr Phe Pro Val Gln Val Ala Ala Gly
 35 40 45
 Cys Ser Gly Arg Lys Ser His Ala Ser Val Asn Cys Trp Gly Trp Arg
 50 55 60
 Pro Ala Pro Leu Gln Gly Pro Ala Leu Thr Leu His Val Ala Ile Gln
 65 70 75 80
 Leu Pro Ser Gly Cys Pro Trp Pro Trp His Arg His Arg Ala Ser Arg
 85 90 95
 Ala Gly Leu Ala Gly Pro Gly Pro Gly Pro Gly Gly Val Ala Arg Pro
 100 105 110
 Ile Leu Met Trp Gly Gly Ser Ala Leu His Gly Gly Lys His Ser Lys
 115 120 125
 His Arg Thr Leu Lys Pro Lys Ala Pro Leu Gly Ser Leu Ala Pro Thr
 130 135 140
 Ser Trp Gly Gly Asp Arg Arg His Arg Asp Leu Ser Pro Lys Pro Ala

145 150 155 160
 Gly Gly Ser Ser Cys
 165

<210> 465
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 465
 Met Arg Thr Phe Pro Val Gln Val Ala Ala Gly Cys Ser Gly Arg Lys
 1 5 10 15
 Ser His Ala Ser Val Asn Cys Trp Gly Trp Arg Pro Ala Pro Leu Gln
 20 25 30
 Gly Pro Ala Leu Thr Leu His Val Ala Ile Gln Leu Pro Ser Gly Cys
 35 40 45
 Pro Trp Pro Trp His Arg His Arg Ala Ser Arg Ala Gly Leu Ala Gly
 50 55 60
 Pro Gly Pro Gly Pro Gly Gly Val Ala Arg Pro Ile Leu Met Trp Gly
 65 70 75 80
 Gly Ser Ala Leu His Gly Gly Lys His Ser Lys His Arg Thr Leu Lys
 85 90 95
 Pro Lys Ala Pro Leu Gly Ser Leu Ala Pro Thr Ser Trp Gly Gly Asp
 100 105 110
 Arg Arg His Arg Asp Leu Ser Pro Lys Pro Ala Gly Gly Ser Ser Cys
 115 120 125

<210> 466
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 466
 Gly Leu Met Glu Cys Leu Ile His Arg His Gly Ser His
 1 5 10

<210> 467
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 467

Ser Thr Lys Gly Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly
 1 5 10 15

Tyr

<210> 468

<211> 209

<212> PRT

<213> Homo sapiens

<400> 468

Pro Arg Val Arg Ala Leu Leu Phe Ala Arg Ser Leu Arg Leu Cys Arg
 1 5 10 15

Trp Gly Ala Lys Arg Leu Gly Val Ala Ser Thr Glu Ala Gln Arg Gly
 20 25 30

Val Ser Phe Lys Leu Glu Glu Lys Thr Ala His Ser Ser Leu Ala Leu
 35 40 45

Phe Arg Asp Asp Thr Gly Val Lys Tyr Gly Leu Val Gly Leu Glu Pro
 50 55 60

Thr Lys Val Ala Leu Asn Val Glu Arg Phe Arg Glu Trp Ala Val Val
 65 70 75 80

Leu Ala Asp Thr Ala Val Thr Ser Gly Arg His Tyr Trp Glu Val Thr
 85 90 95

Val Lys Arg Ser Gln Gln Phe Arg Ile Gly Val Ala Asp Val Asp Met
 100 105 110

Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe Thr
 115 120 125

Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro Gln
 130 135 140

Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr Glu
 145 150 155 160

Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val His
 165 170 175

Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala Leu
 180 185 190

Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu Gly
 195 200 205

Leu

<210> 469
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 469
 Met Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe
 1 5 10 15
 Thr Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro
 20 25 30
 Gln Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr
 35 40 45
 Glu Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val
 50 55 60
 His Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala
 65 70 75 80
 Leu Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu
 85 90 95
 Gly Leu

<210> 470
 <211> 1913
 <212> DNA
 <213> Homo sapiens

<400> 470
 GCACGAGCGG CACGAGCGGA TCCTCACACG ACTGTGATCC GATTCTTTCC AGCGGCTTCT 60
 GCAACCAAGC GGGTCTTACC CCCGGTCCTC CGCGTCTCCA GTCCTCGCAC CTGGAACCCC 120
 AACGTCCCCG AGAGTCCCCG AATCCCCGCT CCCAGGCTAC CTAAGAGGAT GAGCGGTGCT 180
 CCGACGGCCG GGGCAGCCCT GATGCTCTGC GCCGCCACCG CCGTGCTACT GAGCGCTCAG 240
 GGCGGACCCG TGCAGTCCAA GTCGCCGCGC TTTGCGTCCT GGGACGAGAT GAATGTCCTG 300
 GCGCACGGAC TCCTGCAGCT CGGCCAGGGG CTGCGCGAAC ACGCGGAGCG CACCCGCAGT 360
 CAGCTGAGCG CGCTGGAGCG GCGCCTGAGC GCGTGCGGGT CCGCCTGTCA GGGAACCGAG 420
 GGGTCCACCG ACCTCCCGTT AGCCCCTGAG AGCCGGGTGG ACCCTGAGGT CCTTCACAGC 480
 CTGCAGACAC AACTCAAGGC TCAGAACAGC AGGATCCAGC AACTCTTCCA CAAGGTGGCC 540
 CAGCAGCAGC GGCACCTGGA GAAGCAGCAC CTGCGAATTC AGCATCTGCA AAGCCAGTTT 600

GGCCTCCTGG	ACCACAAGCA	CCTAGACCAT	GAGGTGGCCA	AGCCTGCCCCG	AAGAAAGAGG	660
CTGCCCCGAGA	TGGCCCAGCC	AGTTGACCCG	GCTCACAATG	TCAGCCGCCT	GCACCGGCTG	720
CCCAGGGATT	GCCAGGAGCT	GTTCCAGGTT	GGGGAGAGGC	AGAGTGGACT	ATTTGAAATC	780
CAGCCTCAGG	GGTCTCCGCC	ATTTTTGGTG	AACTGCAAGA	TGACCTCAGA	TGGAGGCTGG	840
ACAGTAATTC	AGAGGCGCCA	CGATGGCTCA	GTGGACTTCA	ACCGGCCCTG	GGAAGCCTAC	900
AAGGCGGGGT	TTGGGGATCC	CCACGGCGAG	TTCTGGCTGG	GTCTGGAGAA	GGTGCATAGC	960
ATCACGGGGG	ACCGCAACAG	CCGCCTGGCC	GTGCAGCTGC	GGGACTGGGA	TGGCAACGCC	1020
GAGTTGCTGC	AGTTCTCCGT	GCACCTGGGT	GGCGAGGACA	CGGCCTATAG	CCTGCAGCTC	1080
ACTGCACCCG	TGGCCGGCCA	GCTGGGCGCC	ACCACCGTCC	CACCCAGCGG	CCTCTCCGTA	1140
CCCTTCTCCA	CTTGGGACCA	GGATCACGAC	CTCCGCAGGG	ACAAGAACTG	CGCCAAGAGC	1200
CTCTCTGGAG	GCTGGTGGTT	TGGCACCTGC	AGCCATTCCA	ACCTCAACGG	CCAGTACTTC	1260
CGCTCCATCC	CACAGCAGCG	GCAGAAGCTT	AAGAAGGGAA	TCTTCTGGAA	GACCTGGCGG	1320
GGCCGCTACT	ACCCGCTGCA	GGCCACCACC	ATGTTGATCC	AGCCCATGGC	AGCAGAGGCA	1380
GCCTCCTAGC	GTCCTGGCTG	GGCCTGGTCC	CAGGCCACG	AAAGACGGTG	ACTCTTGGCT	1440
CTGCCCCGAGG	ATGTGGCCGT	TCCCTGCCCTG	GGCAGGGGCT	CCAAGGAGGG	GCCATCTGGA	1500
AACTTGTGGA	CAGAGAAGAA	GACCACGACT	GGAGAAGCCC	CCTTTCTGAG	TGCAGGGGGG	1560
CTGCATGCGT	TGCCTCCTGA	GATCGAGGCT	GCAGGATATG	CTCAGACTCT	AGAGGCGTGG	1620
ACCAAGGGGC	ATGGAGCTTC	ACTCCTTGCT	GGCCAGGGAG	TTGGGGACTC	AGAGGGACCA	1680
CTTGGGGCCA	GCCAGACTGG	CCTCAATGGC	GGACTCAGTC	ACATTGACTG	ACGGGGACCA	1740
GGGCTTGTGT	GGGTCGAGAG	CGCCCTCATG	GTGCTGGTGC	TGTTGTGTGT	AGGTCCCCTG	1800
GGGACACAAG	CAGGCGCCAA	TGGTATCTGG	GCGGAGCTCA	CAGAGTTCTT	GGAATAAAAG	1860
CAACCTCAGA	ACAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAA	1913

<210> 471

<211> 1221

<212> DNA

<213> Homo sapiens

<400> 471

ATGAGCGGTG	CTCCGACGGC	CGGGGCAGCC	CTGATGCTCT	GCGCCGCCAC	CGCCGTGCTA	60
------------	------------	------------	------------	------------	------------	----

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CTGAGCGCTC AGGGCGGACC CGTGCAGTCC AAGTCGCCGC GCTTTGCGTC CTGGGACGAG      120
ATGAATGTCC TGGCGCACGG ACTCCTGCAG CTCGGCCAGG GGCTGCGCGA ACACGCGGAG      180
CGCACCCGCA GTCAGCTGAG CGCGCTGGAG CGGCGCCTGA GCGCGTGCGG GTCCGCC'TGT      240
CAGGGAACCG AGGGGTCCAC CGACCTCCCG TTAGCCCCTG AGAGCCGGGT GGACCCTGAG      300
GTCCTTCACA GCCTGCAGAC ACAACTCAAG GCTCAGAACA GCAGGATCCA GCAACTC'TTC      360
CACAAGGTGG CCCAGCAGCA GCGGCACCTG GAGAAGCAGC ACCTGCGAAT TCAGCATCTG      420
CAAAGCCAGT TTGGCCTCCT GGACCACAAG CACCTAGACC ATGAGGTGGC CAAGCCTGCC      480
CGAAGAAAGA GGCTGCCCCG GATGGCCAG CCAGTTGACC CGGCTCACAA TGTCAGCCGC      540
CTGCACCGGC TGCCCAGGGA TTGCCAGGAG CTGTTCCAGG TTGGGGAGAG GCAGAGTGGA      600
CTATTTGAAA TCCAGCCTCA GGGGTCTCCG CCATTTTTTG TGAAGTGCAA GATGACCTCA      660
GATGGAGGCT GGACAGTAAT TCAGAGGCGC CACGATGGCT CAGTGGA'CTT CAACCGGCCC      720
TGGGAAGCCT ACAAGGCGGG GTTTGGGGAT CCCCACGGCG AGTTCTGGCT GGGTCTGGAG      780
AAGGTGCATA GCATCACGGG GGACCGCAAC AGCCGCCTGG CCGTGCAGCT GCGGGACTGG      840
GATGGCAACG CCGAGTTGCT GCAGTTCTCC GTGCACCTGG GTGGCGAGGA CACGGCCTAT      900
AGCCTGCAGC TCACTGCACC CGTGGCCGGC CAGCTGGGCG CCACCACCGT CCCACCCAGC      960
GGCCTCTCCG TACCCTTCTC CACTTGGGAC CAGGATCACG ACCTCCGCAG GGACAAGAAC     1020
TGCGCCAAGA GCCTCTCTGG AGGCTGGTGG TTTGGCACCT GCAGCCATTC CAACCTCAAC     1080
GGCCAGTACT TCCGCTCCAT CCCACAGCAG CGGCAGAAGC TTAAGAAGGG AATCTTCTGG     1140
AAGACCTGGC GGGGCCGCTA CTACCCGCTG CAGGCCACCA CCATGTTGAT CCAGCCCATG     1200
GCAGCAGAGG CAGCCTCCTA G                                     1221

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<210> 472

<211> 175

<212> PRT

<213> Homo sapiens

<400> 472

```

Met Ala Gln Trp Thr Ser Thr Gly Pro Gly Lys Pro Thr Arg Arg Gly
  1                               5               10               15

```

```

Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
                20                25                30

```

```

Ala Ser Trp Gly Thr Ala Thr Ala Ala Trp Pro Cys Ser Cys Gly Thr

```

<213> Homo sapiens

Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
1 5 10

<213> Homo sapiens

Ser Gly Gly Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
1 5 10 15

Gln Tyr Phe

<213> Homo sapiens

<400> 475

Gly His Asp Leu Pro Gln Asp Ala Trp Leu Arg Trp Val Leu Ala Gly
 1 5 10 15

Ala Leu Cys Ala Gly Gly Trp Ala Val Asn Tyr Leu Pro Phe Phe Leu
 20 25 30

<210> 476

<211> 18

<212> PRT

<213> Homo sapiens

<400> 476

Phe Leu Tyr His Tyr Leu Pro Ala Leu Thr Phe Gln Ile Leu Leu Leu
 1 5 10 15

Pro Val

<210> 477

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 477

Met Ser Pro Leu Pro Trp Pro Gly Pro Leu Pro Gly Gly Arg Gln Gly
 1 5 10 15

His Arg Leu Glu Pro Cys Cys Ser Ser Gly Cys Ala Gly Gly Pro Thr
 20 25 30

Trp Pro His Cys Ser Ser Gln Ser Trp Pro Met Xaa Ser Ala Arg His
 35 40 45

Xaa Gly Leu Gly His Cys Cys Pro Ser Ser Pro
 50 55

<210> 478

<211> 32

<212> PRT

<213> Homo sapiens

<400> 478

Asp Ile Cys Arg Leu Glu Arg Ala Val Cys Arg Asp Glu Pro Ser Ala
 1 5 10 15

Leu Ala Arg Ala Leu Thr Trp Arg Gln Ala Arg Ala Gln Ala Gly Ala
 20 25 30

<210> 479

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 479

Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
 1 5 10 15

Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
 20 25 30

Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
 35 40 45

Gly Ala Val Gly Lys Ser Leu Pro Gly Gln Ser Arg Pro Gln His Cys
 50 55 60

Leu Pro Pro Lys Gln Pro Lys Gln Cys Arg Pro Gly Leu Glu Leu Lys
 65 70 75 80

Glu Gly Pro Leu Leu Thr Pro Thr Arg Ala Ser Val Gln Leu Ser His
 85 90 95

Pro Ala Cys Leu Tyr Trp Ala Pro Leu Leu Trp Ile Arg Asp Pro Ala
 100 105 110

Ser Val

<210> 480
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 480
 Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
 1 5 10 15
 Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
 20 25 30
 Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
 35 40 45
 Gly Ala Val Gly Lys Ser Leu
 50 55

<210> 481
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 481
 Pro Gly Gln Ser Arg Pro Gln His Cys Leu Pro Pro Lys Gln Pro Lys
 1 5 10 15
 Gln Cys Arg Pro Gly Leu Glu Leu Lys Glu Gly Pro Leu Leu Thr Pro
 20 25 30
 Thr Arg Ala Ser Val Gln Leu Ser His Pro Ala Cys Leu Tyr Trp Ala
 35 40 45
 Pro Leu Leu Trp Ile Arg Asp Pro Ala Ser Val
 50 55

<210> 482
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 482

Asp	Ile	Cys	Arg	Leu	Glu	Arg	Ala	Val	Cys	Arg	Asp	Glu	Pro	Ser	Ala
1				5					10					15	

Leu	Ala	Arg	Ala	Leu	Thr	Trp	Arg	Gln	Ala	Arg	Ala	Gln	Ala	Gly	Ala
			20					25					30		

Met	Leu	Leu	Phe	Gly	Leu	Cys	Trp	Gly	Pro	Tyr	Val	Ala	Thr	Leu	Leu
		35					40					45			

Leu	Ser	Val	Leu	Ala	Tyr	Xaa	Gln	Arg	Pro	Pro	Leu	Xaa	Pro	Gly	Thr
	50					55					60				

Leu	Leu	Ser	Leu	Leu	Ser	Leu	Gly	Ser	Ala	Ser	Ala	Ala	Ala	Val	Pro
65					70					75					80

Val	Ala	Met	Gly	Leu	Gly	Asp	Gln	Arg	Tyr	Thr	Ala	Pro	Trp	Arg	Ala
				85					90					95	

Ala	Ala	Gln	Arg	Cys	Leu	Gln	Gly	Leu	Trp	Gly	Arg	Ala	Ser	Arg	Asp
			100					105					110		

Ser	Pro	Gly	Pro	Ser	Ile	Ala	Tyr	His	Pro	Ser	Ser	Gln	Ser	Ser	Val
		115					120					125			

Asp	Leu	Asp	Leu	Asn
	130			

<210> 483

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 483

Met	Glu	Arg	Val	Gly	Met	Glu	Ser	Gly	Glu	Met	Val	Cys	Gly	Leu	Gly
1				5					10					15	

Ser Ala Cys Asn Asn Pro Ser Asp Leu Gly Gln Val Pro Val Pro Leu
 20 25 30

Trp Xaa Ser Val Ser Pro Pro Val Phe Gly Xaa Gly Trp Asn Gly His
 35 40 45

<210> 484

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 484

Met Arg Ser Phe Gln Asp Val Ser Ala Leu Glu Glu Trp Arg Gly Gly
 1 5 10 15

Lys Asp Leu Glu Pro Thr His Ser Leu Leu Leu Leu Leu Pro Leu Arg
 20 25 30

Asp Leu Leu Val Val Leu Gly Glu Ile Arg Lys Arg Gln Met Glu Gly
 35 40 45

Cys Val Trp Lys Gly Trp Gly Trp Asn Pro Glu Lys Trp Phe Ala Val
 50 55 60

Leu Ala Leu Pro Val Thr Thr Arg Val Thr Leu Gly Lys Ser Leu Ser
 65 70 75 80

Leu Ser Gly Xaa Gln Phe Leu His Leu Tyr Leu Glu Arg Val Gly Met
 85 90 95

Gly Thr Glu Val Leu Ser Ser Ser Asp Leu Leu
 100 105

<210> 485

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 485

Met	His	Pro	Ala	Gly	Pro	Thr	Phe	Met	Gly	Ser	Lys	Pro	Ile	Arg	Glu
1				5					10					15	
Gln	Gln	Phe	Gly	Pro	Asp	Ala	Cys	Leu	Leu	Leu	Leu	Cys	Val	Ala	Met
			20					25					30		
Ala	Gly	Thr	Glu	Ala	Ser	Arg	Ala	Ala	Gln	Gln	Cys	Thr	Ser	Gln	Lys
			35				40					45			
Val	Arg	Ala	Gly	Gln	Asp	Phe	Ser	Ala	His	Ser	Asn	Pro	Xaa	Gln	Ile
	50					55					60				
Gln	Val	Glu	Lys	Leu	Xaa	Pro	Arg	Glu	Gly	Gln	Gly	Leu	Ala	Gln	Gly
65					70					75				80	
His	Ser	Gly	Cys	Tyr	Arg	Gln	Ser	Gln	Asp	Arg	Lys	Pro	Phe	Leu	Arg
				85					90					95	
Ile	Pro	Ser	Pro	Pro	Phe	Pro	Tyr	Thr	Thr	Leu	His	Leu	Pro	Phe	Pro
			100					105					110		
Asp	Phe	Ala	Lys	Asn	His										
			115												

<210> 486

<211> 61

<212> PRT

<213> Homo sapiens

<400> 486

Met	His	Pro	Ala	Gly	Pro	Thr	Phe	Met	Gly	Ser	Lys	Pro	Ile	Arg	Glu
1				5					10					15	
Gln	Gln	Phe	Gly	Pro	Asp	Ala	Cys	Leu	Leu	Leu	Leu	Cys	Val	Ala	Met
			20					25					30		
Ala	Gly	Thr	Glu	Ala	Ser	Arg	Ala	Ala	Gln	Gln	Cys	Thr	Ser	Gln	Lys
			35				40					45			
Val	Arg	Ala	Gly	Gln	Asp	Phe	Ser	Ala	His	Ser	Asn	Pro			
	50					55					60				

<210> 487

<211> 48

<212> PRT

<213> Homo sapiens

<400> 487

Pro Arg Glu Gly Gln Gly Leu Ala Gln Gly His Ser Gly Cys Tyr Arg
 1 5 10 15
 Gln Ser Gln Asp Arg Lys Pro Phe Leu Arg Ile Pro Ser Pro Pro Phe
 20 25 30
 Pro Tyr Thr Thr Leu His Leu Pro Phe Pro Asp Phe Ala Lys Asn His
 35 40 45

<210> 488
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 488
 Asp Pro Arg Val Arg Lys Pro Pro Thr Ala Thr Leu Thr Thr Ala Arg
 1 5 10 15
 Thr Arg Pro Thr Thr Asp
 20

<210> 489
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 489
 Ala Ala Leu Glu Ala Ser Val Pro Ala Ile Ala Thr Gln Arg Ser Ser
 1 5 10 15
 Arg Gln Ala Ser Gly Pro Asn Cys Cys Ser Leu Met Gly Leu Asp Pro
 20 25 30
 Met Lys Val Gly Pro Ala Gly Cys Ile Ser Trp Asp Ser Val Glu Ala
 35 40 45

Asp Gln Val Ala Gly Ala Ser Gly Gly Arg Ile Glu Val Lys Gly Cys
 50 55 60

Gly Met Glu Asn Leu Xaa Arg Leu His Leu Gly Ser Gly Lys Gly Gln
 65 70 75 80

Xaa Xaa

<210> 490

<211> 99

<212> PRT

<213> Homo sapiens

<400> 490

Met Leu His Arg Gln Trp Leu Thr Val Arg Arg Ala Gly Gly Pro Pro
 1 5 10 15

Arg Thr Asp Gln Gln Arg Arg Thr Val Arg Cys Leu Arg Asp Thr Val
 20 25 30

Leu Leu Leu His Gly Leu Ser Gln Lys Asp Lys Leu Phe Met Met His
 35 40 45

Cys Val Glu Val Leu His Gln Phe Asp Gln Val Met Pro Gly Val Ser
 50 55 60

Met Leu Ile Arg Gly Leu Pro Asp Val Thr Asp Cys Glu Glu Ala Ala
 65 70 75 80

Leu Asp Asp Leu Cys Ala Ala Glu Thr Asp Val Glu Asp Pro Glu Val
 85 90 95

Glu Cys Gly

<210> 491

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491

Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15

Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30

Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45

Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp
 50 55 60

<210> 492

<211> 65

<212> PRT

<213> Homo sapiens

<400> 492

Ala Val Gln Gln Gln His Arg Val Pro Gln Thr Ala His Cys Pro Pro
 1 5 10 15

Leu Leu Val Gly Pro Trp Gly Ser Pro Cys Pro Pro His Cys Gln Pro
 20 25 30

Leu Ser Val Gln His His Arg Glu Arg Ser Asp His Leu His Ile Thr
 35 40 45

Leu Ala Val Gly Ala Ser Asp Trp Gly Gln Gly Ala Leu Ala His Gln
 50 55 60

Ala
 65

<210> 493

<211> 220

<212> PRT

<213> Homo sapiens

<400> 493

Pro Lys Thr Leu Pro Val Ile Ser Cys Pro Gly Ser Ser Val Cys Ser
 1 5 10 15

Lys Cys Cys Gln Ser Ala Ser Ala Gln Arg His Pro Cys Leu Ala Cys
 20 25 30

Cys Trp Leu Leu Ser Ser Ser Pro Cys Trp Arg Thr Thr Thr Ser Trp
 35 40 45

His Leu Ser Ser Val Pro Thr Gln Lys Ala Ala Ser Cys Cys Cys Cys
 50 55 60

Thr Cys Thr Ser His His Gly Leu Thr Glu Trp Pro Trp Arg His Asn
 65 70 75 80

Gly Ser Ser Trp Asn Lys Arg Trp Cys Gly Ser Trp Leu Ser Leu Val
 85 90 95
 Cys Lys Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn
 100 105 110
 Val Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu
 115 120 125
 Thr Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg
 130 135 140
 Thr Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser
 145 150 155 160
 Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln
 165 170 175
 Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro
 180 185 190
 Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala
 195 200 205
 Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly
 210 215 220

<210> 494

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 494

Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15
 Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30
 Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45

Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp Met Thr

50 55 60
 Ser Ala Leu Arg Gly Val Ala Asp Asp Gln Gly Gln His Pro Leu Leu
 65 70 75 80
 Lys Met Leu Leu His Leu Leu Ala Phe Ser Ser Ala Ala Thr Gly His
 85 90 95
 Leu Gln Ala Ser Val Leu Thr Gln Cys Leu Lys Val Leu Val Lys Leu
 100 105 110
 Ala Glu Asn Thr Ser Cys Asp Phe Leu Pro Arg Phe Gln Cys Val Phe
 115 120 125
 Gln Val Leu Pro Lys Cys Leu Ser Pro Glu Thr Pro Leu Pro Ser Val
 130 135 140
 Leu Leu Ala Val Glu Leu Leu Ser Leu Leu Ala Asp His Asp Gln Leu
 145 150 155 160
 Ala Pro Gln Leu Cys Ser His Ser Glu Gly Cys Leu Leu Leu Leu Leu
 165 170 175
 Tyr Met Tyr Ile Thr Ser Arg Pro Asp Arg Val Ala Leu Glu Thr Gln
 180 185 190
 Trp Leu Gln Leu Glu Gln Glu Val Val Trp Leu Leu Ala Lys Leu Gly
 195 200 205
 Val Gln Glu Pro Leu Ala Pro Ser His Trp Leu Gln Leu Pro Val
 210 215 220

 <210> 495
 <211> 123
 <212> PRT
 <213> Homo sapiens

 <400> 495
 Gln Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn Val
 1 5 10 15
 Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu Thr
 20 25 30
 Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg Thr
 35 40 45
 Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser Gln
 50 55 60
 Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln Phe
 65 70 75 80
 Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp

	85		90		95
Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala Glu					
	100		105		110
Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly					
	115		120		

<210> 496
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 496															
Gln Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn Val															
1				5				10						15	
Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu Thr															
			20				25						30		
Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg Thr															
			35				40					45			
Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser															
	50					55					60				

<210> 497
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 497															
Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln															
1				5				10						15	
Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro															
			20				25						30		
Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala															
			35				40						45		
Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly															
	50					55						60			

<210> 498
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 498															
Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser Gln Lys Asp															
1				5				10					15		

Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln Phe Asp Gln
 20 25 30

Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp Val Thr
 35 40 45

Asp Cys
 50

<210> 499

<211> 102

<212> PRT

<213> Homo sapiens

<400> 499

Met Ser Gly Gln Leu Asp Ala Arg Pro Ala Ala Ala Leu His Pro Gln
 1 5 10 15

Gly Leu Ala His Pro Leu Trp Thr Cys Leu Leu Pro Arg Lys Gly Pro
 20 25 30

Ser Glu Val Pro Gln Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser
 35 40 45

Val Leu Gln Gly Gln His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln
 50 55 60

Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 65 70 75 80

Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 85 90 95

Gly Asp Ser Leu Glu Trp
 100

<210> 500

<211> 20

<212> PRT

<213> Homo sapiens

<400> 500

Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 1 5 10 15

Tyr Leu His Asp
 20

<210> 501

<211> 17

<212> PRT

<213> Homo sapiens

<400> 501

Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp Ser Leu
 1 5 10 15

Glu

<210> 502

<211> 14

<212> PRT

<213> Homo sapiens

<400> 502

Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10

<210> 503

<211> 39

<212> PRT

<213> Homo sapiens

<400> 503

Met Leu Gly Leu Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1 5 10 15

Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
 20 25 30

Gly His Pro Ser Cys Gly Ser
 35

<210> 504

<211> 11

<212> PRT

<213> Homo sapiens

<400> 504

His Gly Phe Pro Glu Phe Trp Tyr Ser Trp Arg
 1 5 10

<210> 505

<211> 10

<212> PRT

<213> Homo sapiens

<400> 505

Ala Ser His Trp Leu Gln Gln Asp Gln Pro
 1 5 10

<210> 506
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 506
 Pro Ile Asn His Tyr Arg Asn Ile Phe
 1 5

<210> 507
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 507
 Tyr Pro Glu Met Val Met Lys Leu Ile
 1 5

<210> 508
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 508
 Pro Glu Phe Trp Tyr Ser Trp Arg Tyr Gln Leu Arg Glu Phe
 1 5 10

<210> 509
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 509
 His Asp Trp Gly Gly Met Ile Ala Trp
 1 5

<210> 510
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 510
 Arg Leu Gly Ala Val Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Ala
 1 5 10 15

Glu Ala Ser Arg Ser Pro Glu Thr Arg Ser Leu Arg Pro Ala Trp
 20 25 30

<210> 511

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<210> 512
<211> 16
<212> PRT
<213> Homo sapiens
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<210> 513
<211> 10
<212> PRT
<213> Homo sapiens
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<210> 514
<211> 18
<212> PRT
<213> Homo sapiens
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<210> 515
<211> 16
<212> PRT
<213> Homo sapiens
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<400> 515
Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp Pro Trp Ala Gly Gly Gly
1 5 10 15

<210> 516

<211> 22

<212> PRT

<213> Homo sapiens

<400> 516

Ala	Met	Met	Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro
1				5					10					15	

Ala	Asn	Pro	Val	Lys	Val
			20		

<210> 517

<211> 8

<212> PRT

<213> Homo sapiens

<400> 517

Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp
1				5			

<210> 518

<211> 490

<212> PRT

<213> Homo sapiens

<400> 518

Met	Gly	Ser	Ala	Pro	Trp	Ala	Pro	Val	Leu	Leu	Leu	Ala	Leu	Gly	Leu
1				5					10					15	

Arg	Gly	Leu	Gln	Ala	Gly	Ala	Arg	Ser	Gly	Pro	Arg	Leu	Pro	Gly	Ala
		20					25						30		

Leu	Leu	Pro	Ala	Ala	Ser	Gly	Pro	Leu	Gln	Leu	Arg	Ala	Leu	Arg	Gln
		35					40					45			

Gln	Asp	Leu	Pro	Ser	Ala	Leu	Pro	Gly	Val	Gly	Gln	Val	Leu	Gly	Pro
	50					55					60				

Gly	Arg	Gly	Ala	His	Leu	Leu	Leu	His	Trp	Glu	Arg	Gly	Arg	Arg	Val
65					70					75					80

Gly	Leu	Arg	Gln	Gln	Leu	Gly	Leu	Arg	Arg	Gly	Leu	Ala	Ala	Glu	Arg
			85					90						95	

Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys	Ser	Leu
		100						105					110		

Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	His	Thr	Glu	Leu	Leu	Thr
		115					120					125			

Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala	Leu	Arg	130	135	140	
Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly	Gly	Ser	145	150	155	160
Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro	His	Leu	165	170	175	
Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ser	Val	Ala	Gly	180	185	190	
Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp	Phe	Glu	195	200	205	
Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe	Arg	Gln	210	215	220	
Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg	Trp	Glu	225	230	235	240
Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr	Gln	Leu	245	250	255	
Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met	Asp	Tyr	260	265	270	
Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro	Ala	Asn	Pro	Val	Lys	275	280	285	
Val	Gly	Cys	Asp	Arg	Leu	Leu	Ser	Glu	Ala	Gln	Arg	Ile	Thr	Gly	Leu	290	295	300	
Arg	Ala	Leu	Ala	Gly	Leu	Val	Tyr	Asn	Ala	Ser	Gly	Ser	Glu	His	Cys	305	310	315	320
Tyr	Asp	Ile	Tyr	Arg	Leu	Tyr	His	Ser	Cys	Ala	Asp	Pro	Thr	Gly	Cys	325	330	335	
Gly	Thr	Gly	Pro	Asp	Ala	Arg	Ala	Trp	Asp	Tyr	Gln	Ala	Cys	Thr	Glu	340	345	350	
Ile	Asn	Leu	Thr	Phe	Ala	Ser	Asn	Asn	Val	Thr	Asp	Met	Phe	Pro	Asp	355	360	365	
Leu	Pro	Phe	Thr	Asp	Glu	Leu	Arg	Gln	Arg	Tyr	Cys	Leu	Asp	Thr	Trp	370	375	380	
Gly	Val	Trp	Pro	Arg	Pro	Asp	Trp	Leu	Leu	Thr	Ser	Phe	Trp	Gly	Gly	385	390	395	400
Asp	Leu	Arg	Ala	Ala	Ser	Asn	Ile	Ile	Phe	Ser	Asn	Gly	Asn	Leu	Asp	405	410	415	

Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
 420 425 430

Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg Ala Ser
 435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
 450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln Gln Pro
 465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 519
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 519
 Cys Ser Val Phe Pro Pro Ser Leu Trp Phe Tyr Leu Pro Leu Val Phe
 1 5 10 15

Asp Asp Gly Asp Val Gln
 20

<210> 520
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 520
 Gly Val Ser Leu Pro Leu Leu Gly Asp Ala Ser Gln Leu Gly Tyr Leu
 1 5 10 15

Gly Val Arg Asp Ala Leu Glu Glu Ala Leu Cys Leu Phe Ser Asp Val
 20 25 30

Gln Leu Cys Ala Gly Arg Thr Ser Ala Leu Phe Lys Ala Xaa Arg Gln
 35 40 45

Gly Arg Leu Ser Leu Gln Arg Ile Leu Leu Pro Phe Val Trp Leu Cys

50		55		60											
Pro	Ala	Pro	Gln	Arg	Trp	Ser	Leu	Gln	Arg	Gln	Ala	Gly	Leu	Leu	Glu
65					70					75					80
Leu	Arg	Trp	Ala	Pro	Pro	Ser	Ser	Ser	Phe	Leu	Ala	Ala	Leu	Phe	Thr
			85						90					95	
Pro	Ser	Ser	Leu	Gly	Asn	Gly	Gly	Arg	Pro	Ser	Pro	Ser	Leu	Thr	Ala
			100					105					110		
Xaa	Leu	Gln	Phe	Asp	Leu	Arg	Leu	Leu	Cys						
		115					120								

<210> 521
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 521
Val Cys Arg Gly Phe Cys Cys Leu Leu Phe Gly Cys Ala Leu Pro Pro
1 5 10 15
Arg Gly Gly Val Tyr Arg Gly Arg Gln Ala Ser Leu Asn Cys Gly Gly
20 25 30
Leu His Arg Val Arg Val Ser Trp Pro Leu Cys Leu Pro Pro Gln Ala
35 40 45
Ser Ala Met Val Gly Ala Pro Pro Pro Ala Ser Leu Pro Xaa Cys Ser
50 55 60
Leu Ile Ser Asp Cys Cys Ala Ser Asn Xaa
65 70

<210> 522
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 522
Met Ser His Lys His Met Arg Arg Ser Ala Thr Ser Tyr Ile Ile Arg
1 5 10 15

Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro Ile Met
 20 25 30

Thr Thr

<210> 523
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 523
 Ile Arg Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro
 1 5 10 15

<210> 524
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 524
 Lys Lys Thr Cys Thr Met Phe Ile Ala Thr Leu Phe Thr
 1 5 10

<210> 525
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 525
 Glu Lys Ile Phe Ala Lys His Leu Ser Val Lys Gly Leu
 1 5 10

<210> 526
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 526

Ser Val Ala Ser Val Phe Ile Pro Leu Lys Val Ser Val Thr Lys Gln
 1 5 10 15
 Phe Ile Phe Phe Xaa Phe Phe Phe Phe Leu Arg Arg Ser Leu Ala Pro
 20 25 30
 Ala Trp Val Ala Glu Arg Xaa Thr Ser Gln Glu Thr Lys Gln Asn Lys
 35 40 45
 Lys Thr Pro Gln Leu Arg Gly Lys Val Ala His Ala Cys Asp Pro Ile
 50 55 60
 Thr Leu Gly Gly Arg Arg Trp Glu Val Gly Glu Ser Leu Glu Ala Arg
 65 70 75 80
 Ser Pro Ser

<210> 527

<211> 184

<212> PRT

<213> Homo sapiens

<400> 527

Tyr Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Ala
 1 5 10 15
 Val Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser
 20 25 30
 Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile
 35 40 45
 Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys
 50 55 60
 Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys
 65 70 75 80
 Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly
 85 90 95
 Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys
 100 105 110
 Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr
 115 120 125
 Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu
 130 135 140
 Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu

145 150 155 160
 Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys
 165 170 175

Tyr Asn Leu Gln Pro Lys Ala Asp
 180

<210> 528
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 528
 Ala Arg Gly Lys Thr Val Leu Phe Ala Phe Glu Glu Ala Ile Gly Tyr
 1 5 10 15

Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Ala Val
 20 25 30

Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser Leu
 35 40 45

Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile Thr
 50 55 60

Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys Leu
 65 70 75 80

Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys Ala
 85 90 95

Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly Tyr
 100 105 110

Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys Ser
 115 120 125

Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr Met
 130 135 140

Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu Cys
 145 150 155 160

Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu Asn
 165 170 175

Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys Tyr
 180 185 190

Asn Leu Gln Pro Lys Ala Asp
 195

<210> 529
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 529
 Asp Lys Asp Gly Val Ser Ala Ala Val Ile Ser Ala Glu Leu Ala Ser
 1 5 10 15

Phe Leu

<210> 530
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 530
 Arg Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp
 1 5 10

<210> 531
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 531
 Lys Ala Val Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe
 1 5 10 15

<210> 532
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 532
 Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu
 1 5 10 15

Leu